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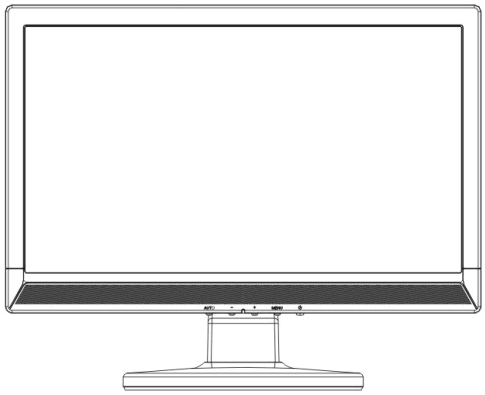

Service Manual

Horizontal Frequency

30-60 kHz

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SAFETY NOTICE

ANY PERSON ATTEMPTING TO SERVICE THIS CHASSIS MUST FAMILIARIZE HIMSELF WITH THE CHASSIS AND BE AWARE OF THE NECESSARY SAFETY PRECAUTIONS TO BE USED WHEN SERVICING ELECTRONIC EQUIPMENT CONTAINING HIGH VOLTAGES.

CAUTION: USE A SEPARATE ISOLATION TRANSFOMER FOR THIS UNIT WHEN SERVICING

Revision List

Version	Date	Revision History	Customer Model	TPV Model Name
A00	Sep.-4-08	Initial release	HCMDLWBT21	T68MRDDCWXKLNN
A01	Oct.-21-08	Add new BOM		T682RDDCWXKCNN
				T683RDDCWXKCNN
				T68VRDDCWXKLNN
A00	Nov.-12-08	Initial release	HCMDLWBN21	T67MRDNCWXLHNN
				T67MRDNCWXKLNN
				T68VRDNCWXLHNN

Important Safety Notice

Proper service and repair is important to the safe, reliable operation of all AOC Company Equipment. The service procedures recommended by AOC and described in this service manual are effective methods of performing service operations. Some of these service operations require the use of tools specially designed for the purpose. The special tools should be used when and as recommended.

It is important to note that this manual contains various CAUTIONS and NOTICES which should be carefully read in order to minimize the risk of personal injury to service personnel. The possibility exists that improper service methods may damage the equipment. It is also important to understand that these CAUTIONS and NOTICES ARE NOT EXHAUSTIVE. AOC could not possibly know, evaluate and advise the service trade of all conceivable ways in which service might be done or of the possible hazardous consequences of each way. Consequently, AOC has not undertaken any such broad evaluation. Accordingly, a servicer who uses a service procedure or tool which is not recommended by AOC must first satisfy himself thoroughly that neither his safety nor the safe operation of the equipment will be jeopardized by the service method selected.
Hereafter throughout this manual, AOC Company will be referred to as AOC.

WARNING

Use of substitute replacement parts, which do not have the same, specified safety characteristics may create shock, fire, or other hazards.

Under no circumstances should the original design be modified or altered without written permission from AOC. AOC assumes no liability, express or implied, arising out of any unauthorized modification of design.
Servicer assumes all liability.

FOR PRODUCTS CONTAINING LASER:
DANGER-Invisible laser radiation when open AVOID DIRECT EXPOSURE TO BEAM.
CAUTION-Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
CAUTION -The use of optical instruments with this product will increase eye hazard.

TO ENSURE THE CONTINUED RELIABILITY OF THIS PRODUCT, USE ONLY ORIGINAL MANUFACTURER'S REPLACEMENT PARTS, WHICH ARE LISTED WITH THEIR PART NUMBERS IN THE PARTS LIST SECTION OF THIS SERVICE MANUAL.
Take care during handling the LCD module with backlight unit
-Must mount the module using mounting holes arranged in four corners.
-Do not press on the panel, edge of the frame strongly or electric shock as this will result in damage to the screen.
-Do not scratch or press on the panel with any sharp objects, such as pencil or pen as this may result in damage to the panel.
-Protect the module from the ESD as it may damage the electronic circuit (C-MOS).
-Make certain that treatment person’s body is grounded through wristband.
-Do not leave the module in high temperature and in areas of high humidity for a long time.
-Avoid contact with water as it may a short circuit within the module.
-If the surface of panel becomes dirty, please wipe it off with a soft material. (Cleaning with a dirty or rough cloth may damage the panel.)

1. Monitor Specification

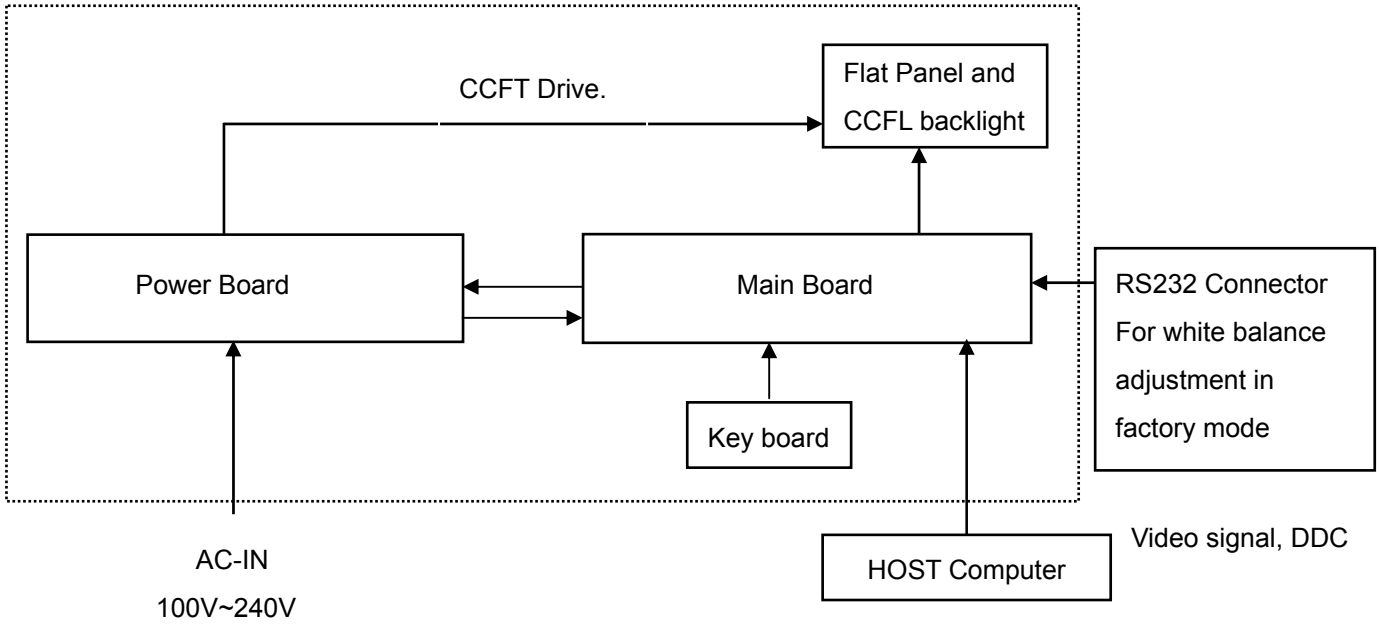
LCD Panel	Driving system	TFT Color LCD
	Viewable Image Size	395mm diagonal
	Pixel pitch	0.252mm(H) x 0.252mm(V)
	Dot Clock	85.5MHz(typ)
	Display Colors	16.7M Colors
Input	Video	R, G, B Analog Interface
	Separate Sync.	H/V TTL
	H-Frequency	30 – 60 kHz
	Horizontal scan Size(Maximum)	344.3mm
	V-Frequency	55 - 75 Hz
	Vertical scan Size(Maximum)	193.5mm
Highest preset resolution		1360 x 768 (60 Hz)
Regulatory Compliance		FCC
Plug & Play		VESA DDC2B™
Power Consumption	ON Mode	≤28W (For 2 CCFL)
	OFF Mode	≤1 W
Input Connector		15-pin D-Sub
Input Video Signal		Analog: 0. 7Vp-p(standard), 75 OHM, Positive
Power Source		100~240V AC,50~60Hz
Dimension	Height (with base)	304.4 mm
	Width	376.3 mm
	Depth	190 mm
Weight (monitor only)		2.7 kg
Environmental Considerations		Temperature: Operating 5° to 35°
		Temperature: Storage -20° to 60°C
		Humidity: Operating 10% to 85%

2. LCD Monitor Description

The LCD Monitor will contain main board, power board, key board which house the flat panel control logic, brightness control logic and DDC.

The power board will provide AC to DC Inverter voltage to drive the backlight of panel and the main board chips each voltage.

Monitor Block Diagram



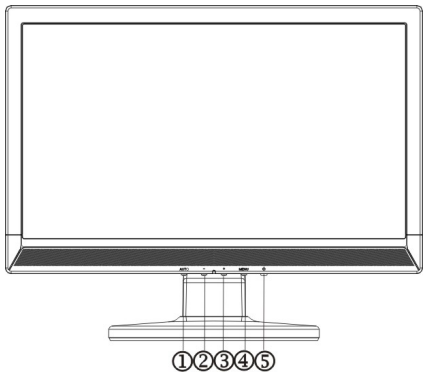
3. Operation Instructions

3.1 General Instructions

Press the power button to turn the monitor on or off. The other control buttons are located at front panel of the monitor. By changing these settings, the picture can be adjusted to your personal preferences.

- The power cord should be connected.
- Connect the Signal cable from the monitor to the VGA card.
- Press the power button to turn on the monitor position. The power indicator will light up.

3.2 Control Buttons



External Control Button

1.	Auto Config / Exit
2.	-/ECO
3.	+/DCR
4.	MENU / ENTER
5.	Power Button

Front Panel Control

- **Power Button /Power Indicator:**

  Press this button to switch ON/OFF of monitor's power.

  Green — Power On mode.

  Orange — Power saving mode.

- **MENU / ENTER :**

  Active OSD menu or function adjust confirm or Exit OSD menu when in volume OSD status.

- **Contrast :**

  Adjust contrast or adjust function.

- **Brightness :**

  Adjust brightness or adjust function.

- **Auto Adjust button / Exit:**

  1. When OSD menu is in active status, this button will act as EXIT-KEY (EXIT OSD menu).

  2. When OSD menu is in off status, press this button to activate the Auto Adjustment function.

  The Auto Adjustment function is used to optimized the HPos, VPos, Clock and Focus.

OSD Lock Function: To lock the OSD, press and hold the MENU button while the monitor is off and then press power button to turn the monitor on. To un-lock the OSD - press and hold the MENU button while the monitor is off

and then press power button to turn the monitor on.

3.3 Adjusting the Picture

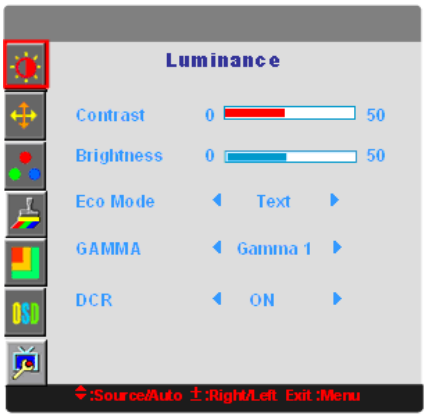
- **OSD Settings**

1. Press the MENU-button to activate the OSD window.

2. Press + or - to navigate through the functions. Once the desired function is highlighted, press the MENU-button to activate it. If the function selected has a sub-menu, press + or - again to navigate through the sub-menu functions. Once the desired function is highlighted, press MENU-button to activate it.

3. Press + or - to change the settings of the selected function.

4. To exit and save, select the exit function. If you want to adjust any other function, repeat steps 2-3.



The OSD Message

- **OSD functions**

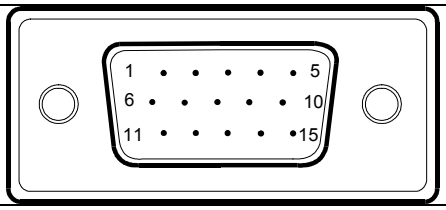
Main Menu Item	Main Menu Icon	Sub Menu Item	Sub Menu Icon	Description
Luminance		Brightness		Backlight Adjustment
		Contrast		Contrast from Digital-register.
		Eco	Standard	Standard Mode
			Text	Text Mode
			Internet	Internet Mode
			Game	Game Mode
			Movie	Movie Mode
			Sports	Sports Mode
		Gamma	Gamma1	Adjust to Gamma1
			Gamma2	Adjust to Gamma 2
			Gamma3	Adjust to Gamma 3
		DCR	Off	Disable dynamic contrast ratio
			On	Enable dynamic contrast ratio

Main Menu Item	Main Menu Icon	Sub Menu Item	Sub Menu Icon	Description
Image Setup		Clock		Adjust picture Clock to reduce Vertical-Line noise.
		Focus		Adjust Picture Phase to reduce Horizontal-Line noise
		H. Position		Adjust the vertical position of the picture.
		V. Position		Adjust the horizontal position of the picture.
Color Temp.		Warm		Recall Warm Color Temperature from EEPROM.
		Normal		Recall Normal Color Temperature from EEPROM.
		Cool		Recall Cool Color Temperature from EEPROM.
		sRGB		Recall SRGB Color Temperature from EEPROM.
		User	User-B	Blue Gain from Digital-register
			User-G	Green Gain from Digital-register.
			User-R	Red Gain from Digital-register
			User-Y	Yellow Gain from Digital-register
			User-C	Cyan Gain from Digital-register
			User-M	Magenta Gain from Digital-register
Color Boost		Full Enhance	on or off	Disable or Enable Full Enhance Mode
		Nature Skin	on or off	Disable or Enable Nature Skin Mode
		Green Field	on or off	Disable or Enable Green Field Mode
		Sky-blue	on or off	Disable or Enable Sky-blue Mode
		AutoDetect	on or off	Disable or Enable AutoDetect Mode
		Demo	on or off	Disable or Enable Demo
Picture Boost		Frame Size		Adjust Frame Size
		Brightness		Adjust Frame Brightness
		Contrast		Adjust Frame Contrast
		Hue		Adjust Frame Hue
		Saturation		Adjust Frame Saturation
		Position		Adjust Frame Position
		Bright Frame	on or off	Disable or Enable Bright Frame
OSD Setup		H. Position		Adjust the vertical position of OSD
		V. Position		Adjust the horizontal position of OSD
		Timeout		Adjust the OSD Timeout
		Language		Select the OSD language

Main Menu Item	Main Menu Icon	Sub Menu Item	Sub Menu Icon	Description
Extra		Input Select	Analog/ Digital	Select the analog/ digital.
		Auto Config		Auto adjust the picture to default
		DDC/CI		Turn ON/OFF DDC/CI Support
		Reset	yes or no	Reset the menu to default
		Information		Show the information of the main image and sub-image source

4. Input/Output Specification

4.1 Input Signal Connector

Pin No.	Description	Pi N No.	Description
1.	Red	9.	+5V
2.	Green	10.	VGA-CON
3.	Blue	11.	RDX
4.	TDX	12.	DDC-Serial Data
5.	Ground	13.	H-Sync
6.	R-Ground	14.	V-Sync
7.	G-Ground	15.	DDC-Serial Clock
8.	B-Ground		
15 - Pin Color Display Signal Cable			
			

4.2 Factory Preset Display Modes

Stand	Resolution	Horizontal Frequency(KHz)	Vertical Frequency(Hz)
VGA	720 x 400	31.47	70.0
	640 × 480	31.47	60.0
	640 × 480	35.00	66.6
	640 × 480	37.50	75.0
	640 × 480	37.861	72.8
SVGA	800 × 600	35.156	56.3
	800 × 600	37.879	60.0
	800 × 600	48.077	72.2
	800 × 600	46.875	75.0
	832 x 624	49.725	75.0
XGA	1024 × 768	48.363	60.0
	1024 × 768	56.476	70.0
	1024 × 768	60.02	75.0
WXGA	1360 × 768	47.712	60.0

4.3. Panel Specification

4.3.1 General Feature

M156B1-L01 is a 15.6” TFT Liquid Crystal Display module with 2 CCFL Backlight unit and 30pin 1ch-LVDS interface.

This module supports 1366 x 768 WXGA mode and can display up to 16.7M colors.

The inverter module for Backlight is not built in.

Item	Specification	Unit
Active Area	344.232(H) × 193.536(V) (15.6” diagonal)	mm
Bezel Opening Area	347.5(H)x196.8(V)	mm
Driver Element	a-Si TFT active matrix	-
Pixel Number	1366 x R.G.B. x 768	pixel
Pixel Pitch	0.252 (H) x 0.252 (V)	mm
Pixel Arrangement	RGB vertical stripe	-
Display Colors	16.7M	color
Transmissive Mode	Normally White	-
Surface Treatment	AG type, 3H hard coating, Haze 25	-

4.3.2 Optical Characteristics

Item		Symbol	Condition	Min.	Typ.	Max.	Unit
Color Chromaticity (CIE 1931)	Red	Rx	θ_x=0°, θ_Y =0° CS-1000T	Typ - 0.03	0.638	Typ + 0.03	-
		Ry			0.333		
	Green	Gx			0.290		
		Gy			0.591		
	Blue	Bx			0.153		
		By			0.082		
	White	Wx		0.283	0.313	0.343	
		Wy		0.299	0.329	0.359	
Center Luminance of White (Center of Screen)		L_C		210	250	-	cd/m^2
Contrast Ratio		CR		350	500	-	-
Response Time		T_R	θ_x=0°, θ_Y =0°	-	2	4	ms
		T_F		-	6	12	
		$T_{GtG\ AVE}$		-	-		
White Variation		δW	θ_x=0°, θ_Y =0° USB2000	-	1.4	1.5	-
Viewing Angle	Horizontal	θ_x+	CR ≧ 5 USB2000	50	55	-	Deg.
		θ_x-		50	55	-	
	Vertical	θ_Y+		25	30	-	
		θ_Y-		50	55	-	
Viewing Angle	Horizontal	θ_x+	CR ≧ 10 USB2000	40	45	-	Deg.
		θ_x-		40	45	-	
	Vertical	θ_Y+		15	20	-	
		θ_Y-		40	45	-	

4.3.3 Electrical Characteristics

TFT LCD Module

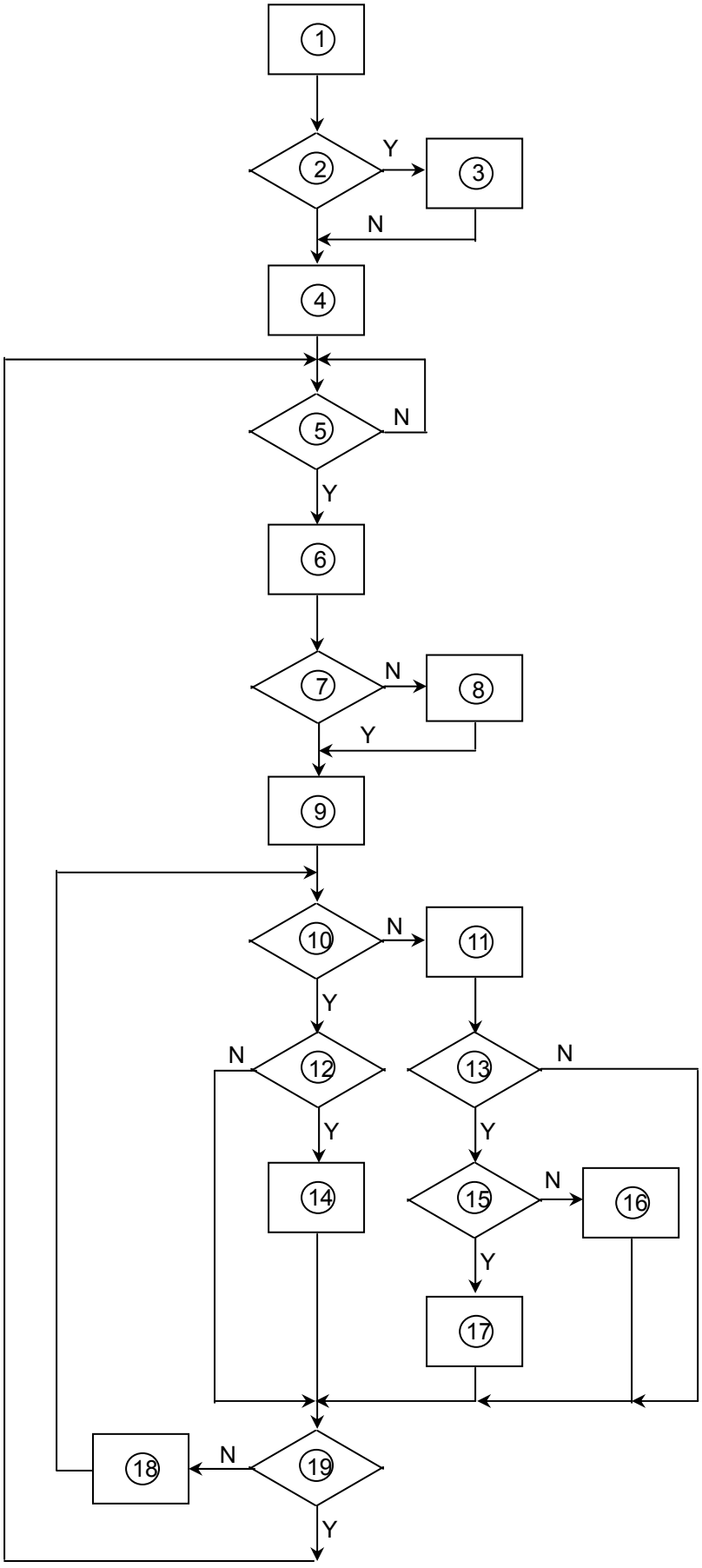
Parameter		Symbol	Value			Unit
			Min.	Typ.	Max.	
Power Supply Voltage		Vcc	4.5	5.0	5.5	V
Ripple Voltage		V_{RP}	-	-	100	mV
Rush Current		I_{RUSH}			1.5	A
Power Supply Current	White	-		0.3	0.35	A
	Black	-		0.35	0.41	A
	Vertical Stripe	-		0.4	0.45	A
LVDS differential input voltage		Vid	100	-	600	mV
LVDS common input voltage		Vic	-	1.2	-	V

Backlight Unit

Parameter	Symbol	Value			Unit
		Min.	Typ.	Max.	
Lamp Input Voltage	V_L	585	650	715	V_{RMS}
Lamp Current	I_L	3.0	7.0	8.0	mA_{RMS}
Lamp Turn On Voltage	V_S			1200 (0℃)	V_{RMS}
				1100 (25℃)	V_{RMS}
Operating Frequency	F_L	50	55	60	KHz
		40	55	80	KHz
Lamp Life Time	L_{BL}	40,000	50,000		Hrs
Power Consumption	P_L		9.24		W

5. Block Diagram

5.1 Software Flow Chart

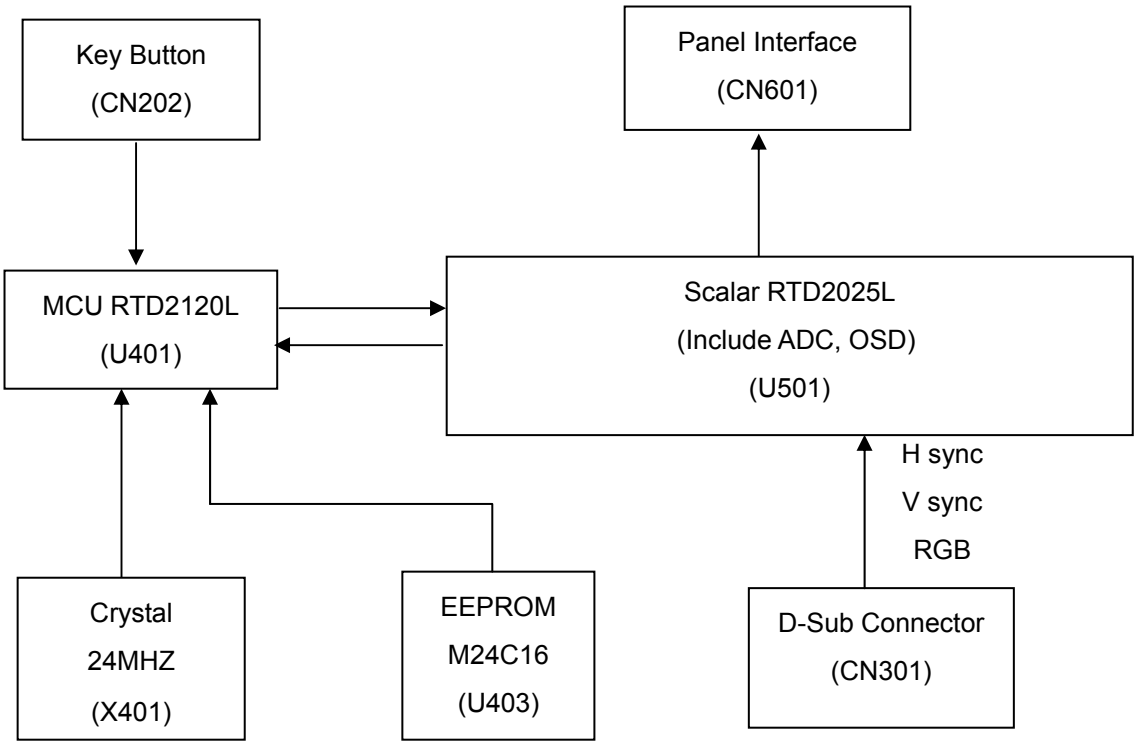


Remark:

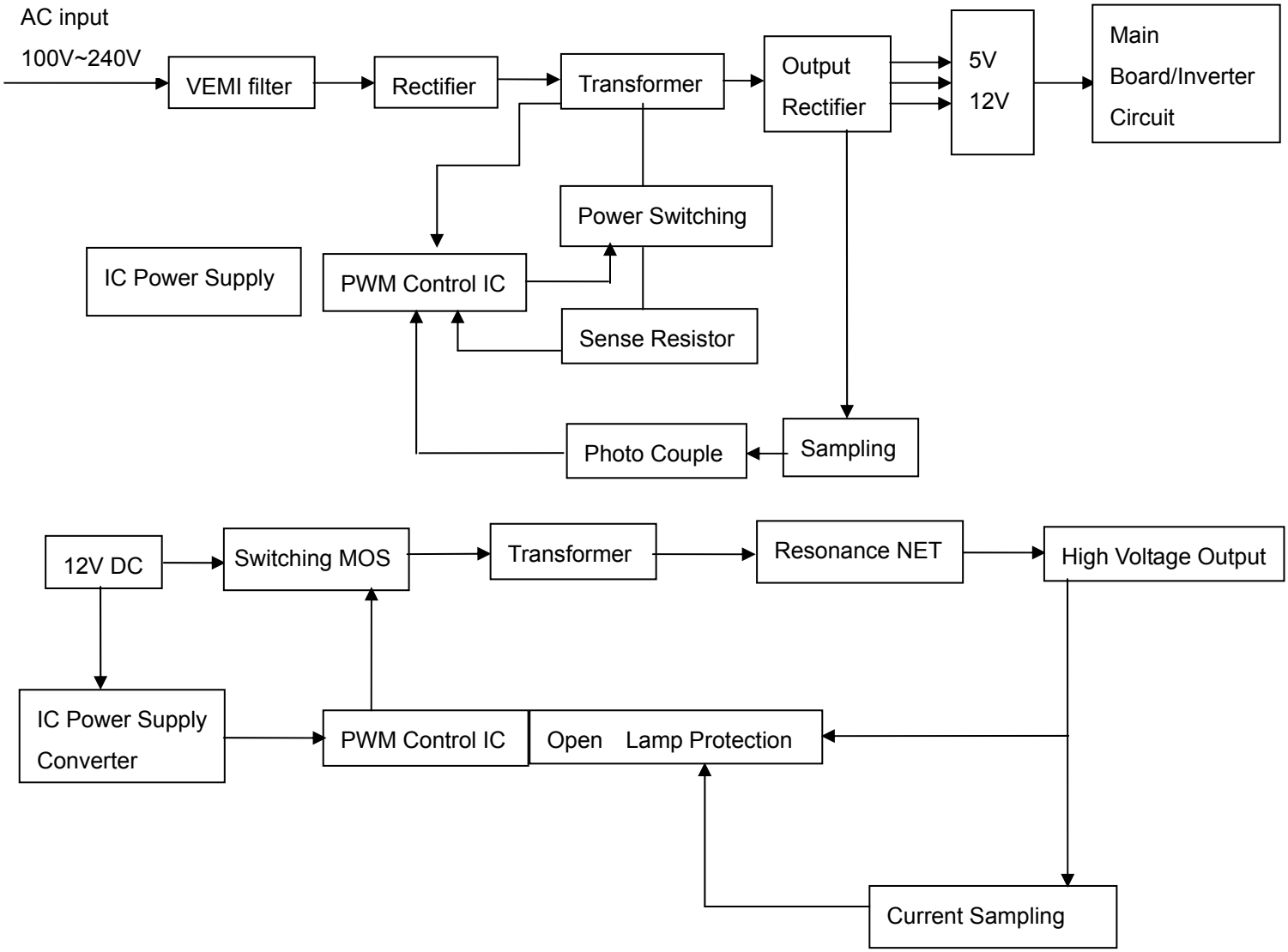
1) MCU initialize.
2) Is the EEprom blank?
3) Program the EEprom by default values.
4) Get the PWM value of brightness from EEprom.
5) Is the power key pressed?
6) Clear all global flags.
7) Are the AUTO and SELECT keys pressed?
8) Enter factory mode.
9) Save the power key status into EEprom. Turn on the LED and set it to green color. Scalar initializes.
10) In standby mode?
11) Update the lifetime of back light.
12) Check the analog port, are they’re any signals coming?
13) Does the scalar send out an interrupt request?
14) Wake up the scalar.
15) Are there any signals coming from analog port?
16) Display "No connection Check Signal Cable" message. And go into standby mode after the message disappears.
17) Program the scalar to be able to show the coming mode.
18) Process the OSD display.
19) Read the keyboard. Is the power key pressed?

5.2 Electrical Block Diagram

Main Board



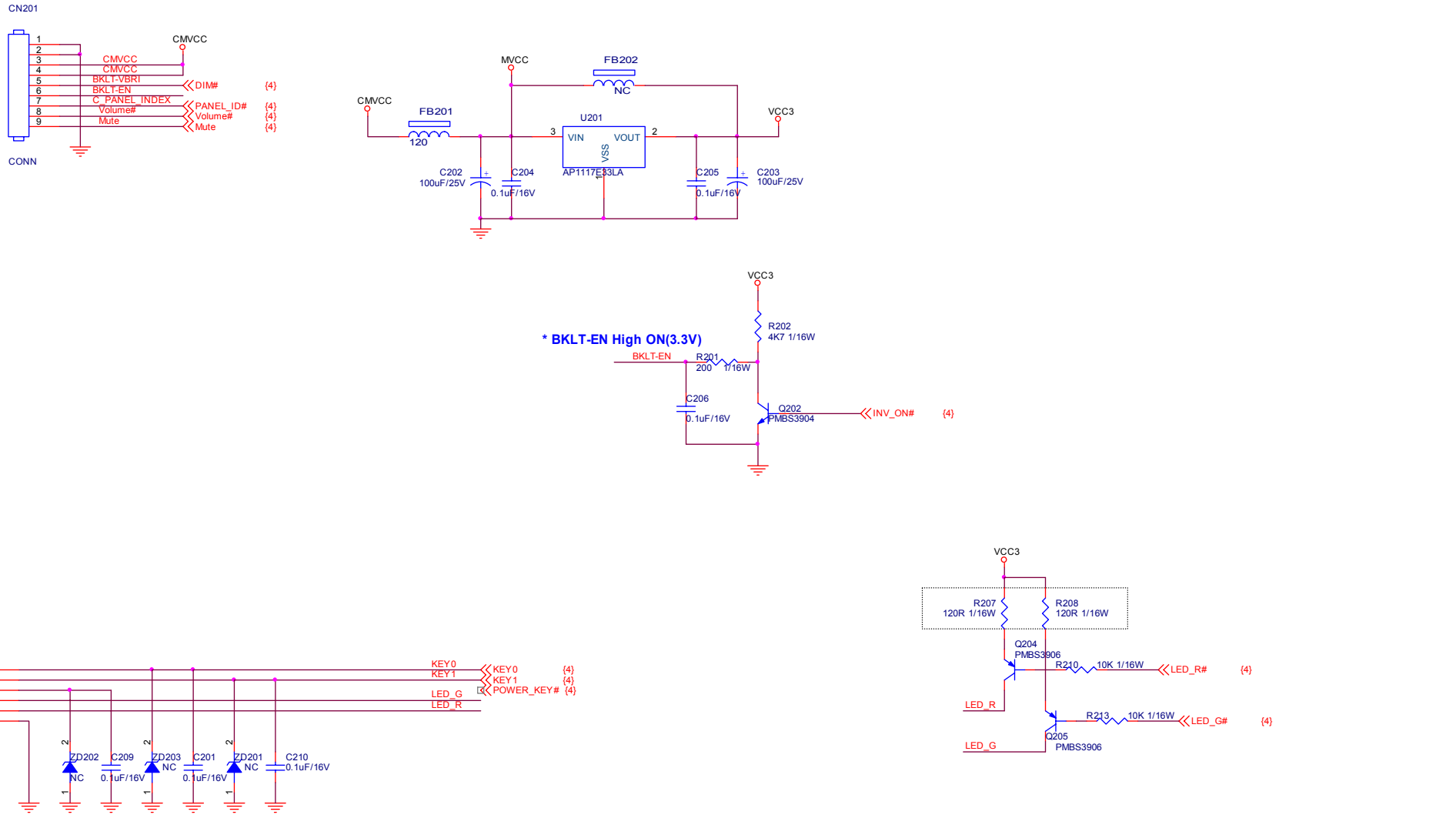
Power Board


AC input
100V~240V
VEMI filter
Rectifier
Transformer
Output
Rectifier
5V
12V
Main
Board/Inverter
Circuit
Power Switching
IC Power Supply
PWM Control IC
Sense Resistor
Photo Couple
Sampling
12V DC
Switching MOS
Transformer
Resonance NET
High Voltage Output
IC Power Supply
Converter
PWM Control IC
Open Lamp Protection
Current Sampling

6. Schematic

6.1 Main Board

715G2498 1 AO



T P V (Top Victory Electronics Co . , Ltd.)		OEM MODEL		Size	B
結 隔 瓜 銅 腹		TPV MODEL		Rev	1.0
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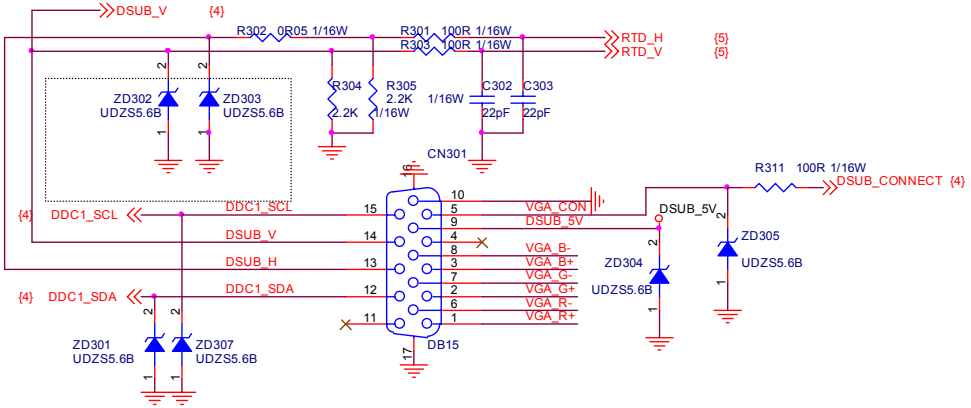
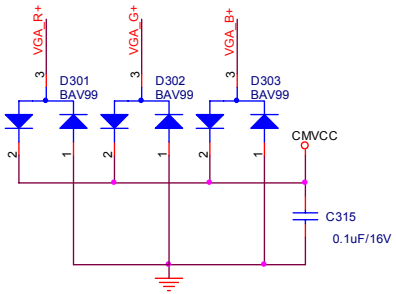
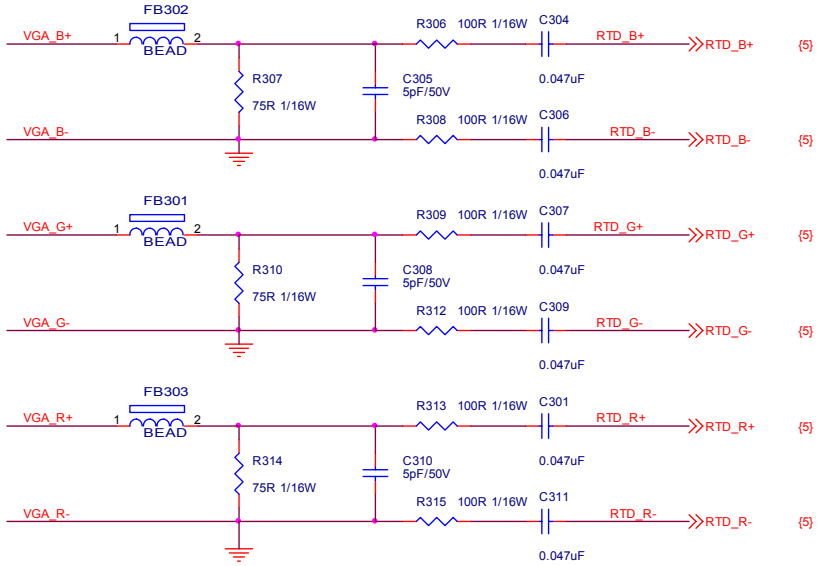
Date	Thursday, June 26, 2008	Sheet	2 of 6		







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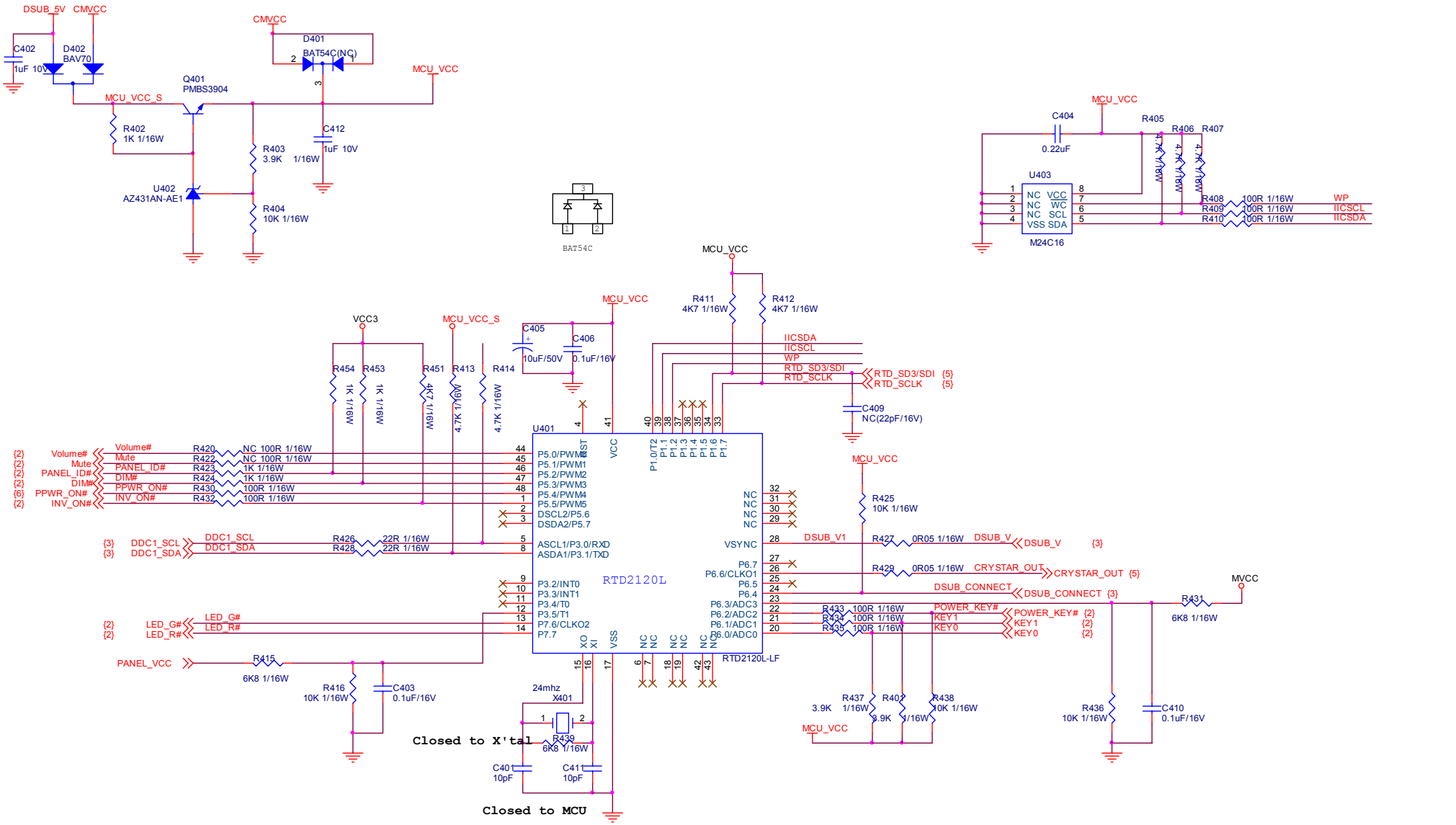

TPV (Top Victory Electronics Co., Ltd.)		OEM MODEL		Size	B
話隔瓜錮腹		TPV MODEL		Rev	1.0
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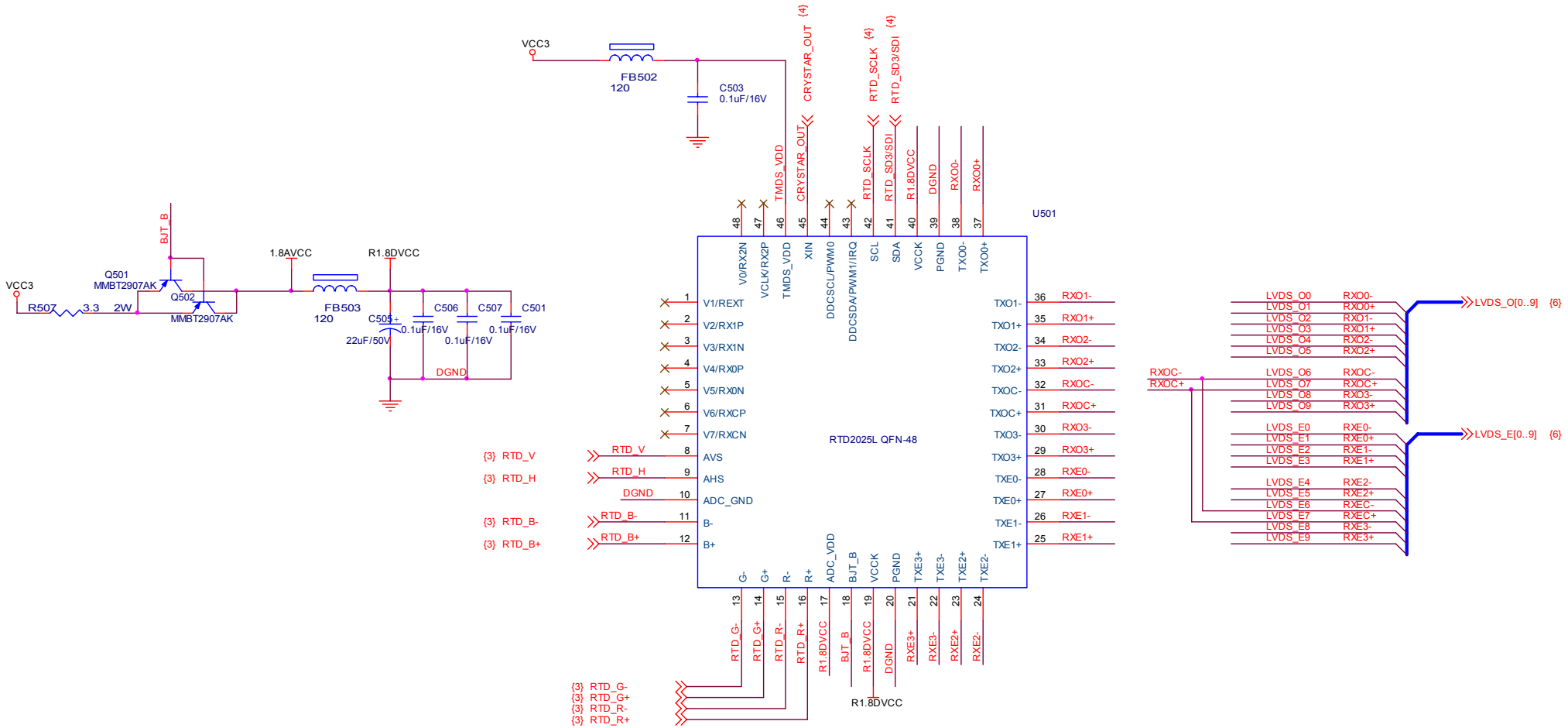

T P V （Top Victory Electronics Co . , Ltd. ）		OEM MODEL		Size	B
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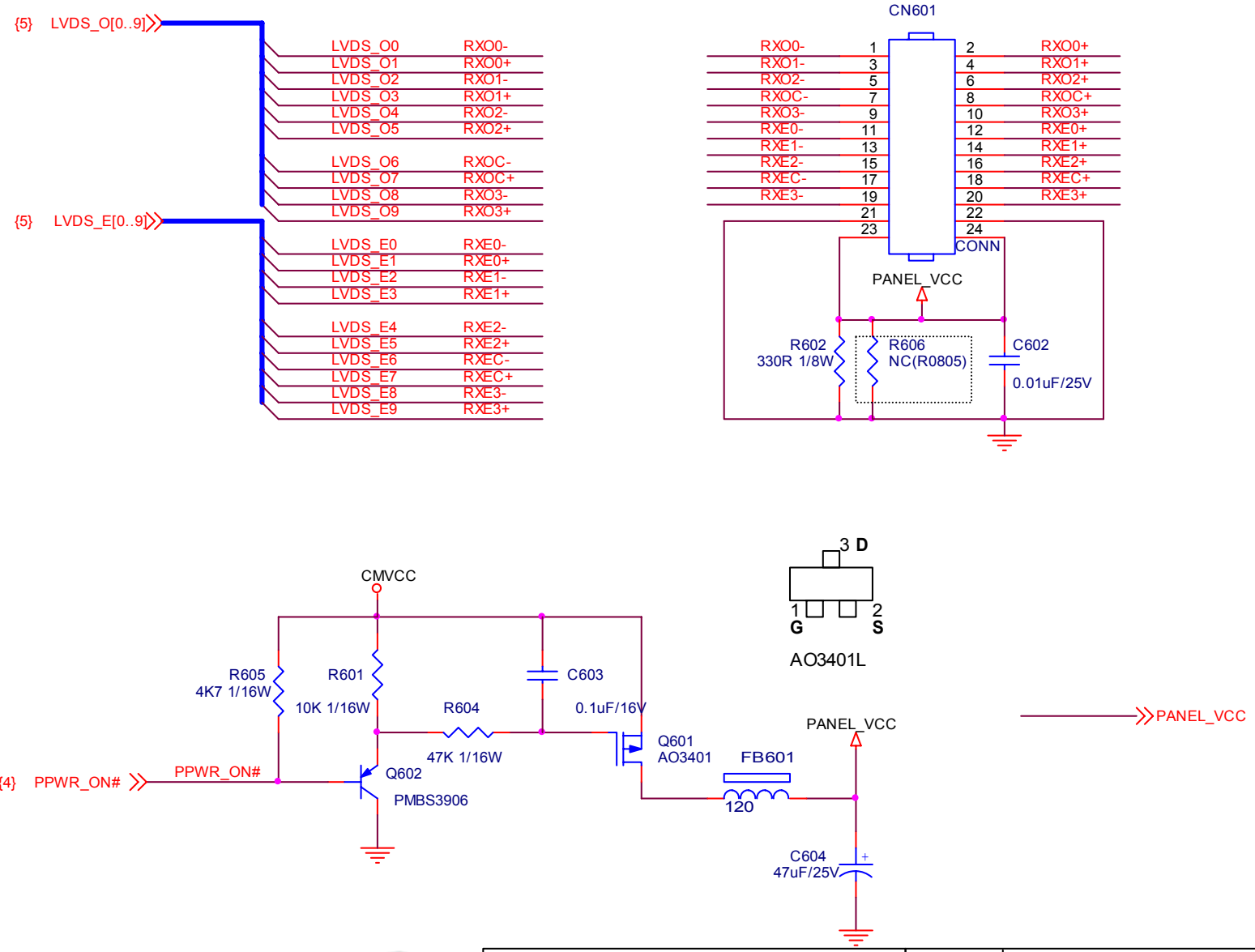
Key Component	5.RTD2025L	PCB NAME	715G2498-1-AO	称 爹	<称爹>
Date	Thursday, June 26, 2008	Sheet	5 of 6		



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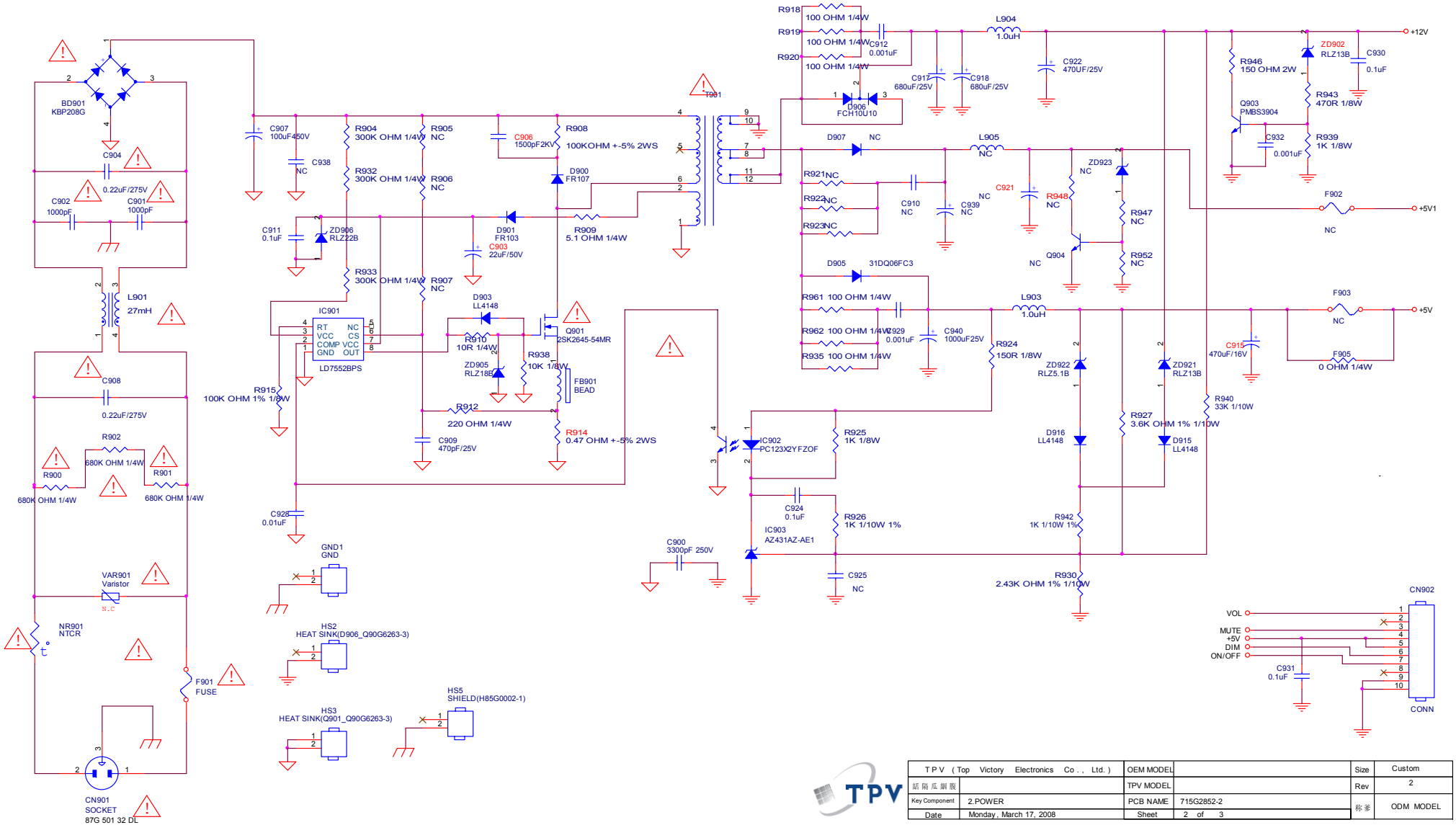
Date	Tuesday, September 02, 2008	Sheet	6 of 6		

6.2 Power Board

715G2852 2



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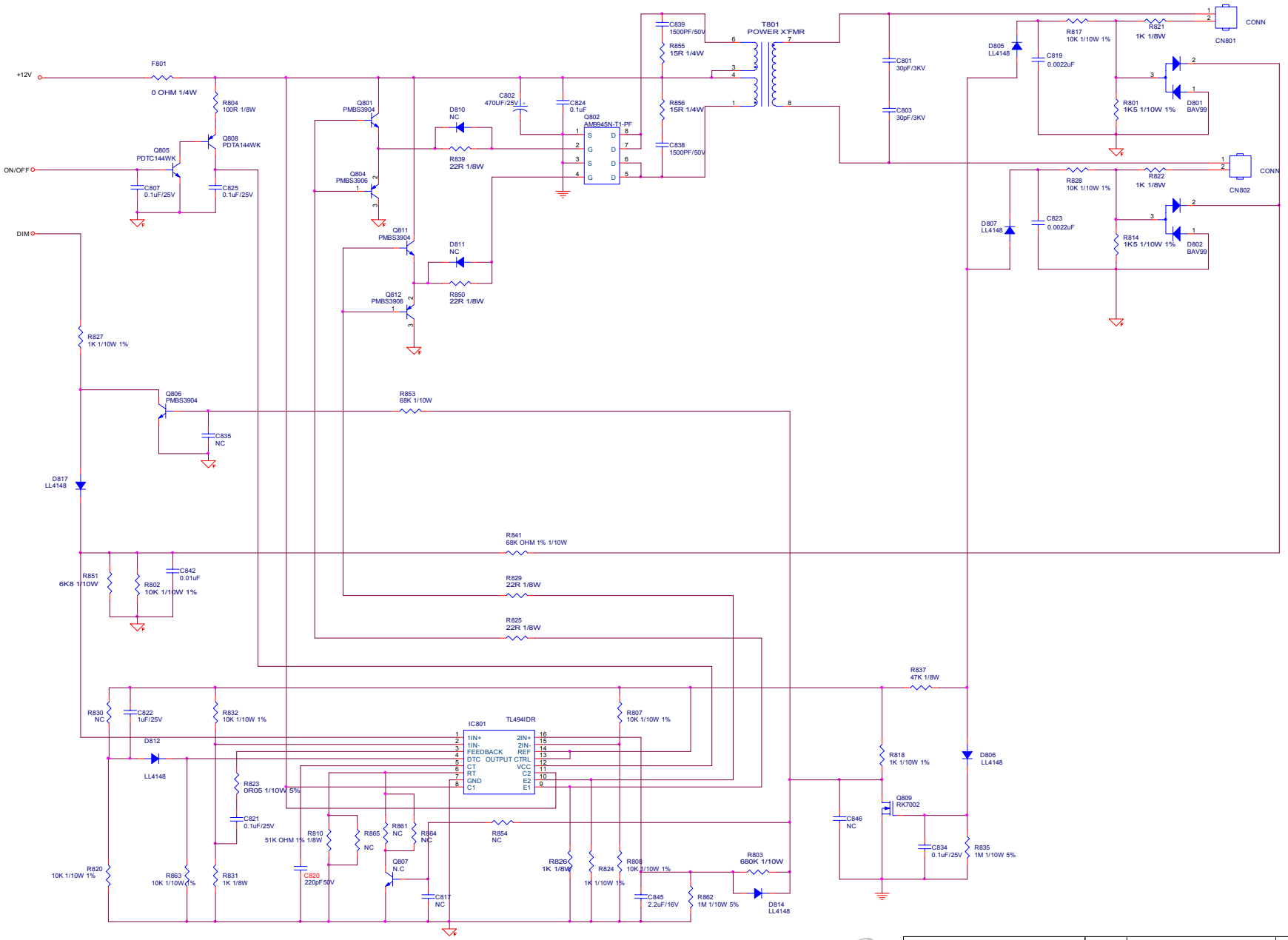
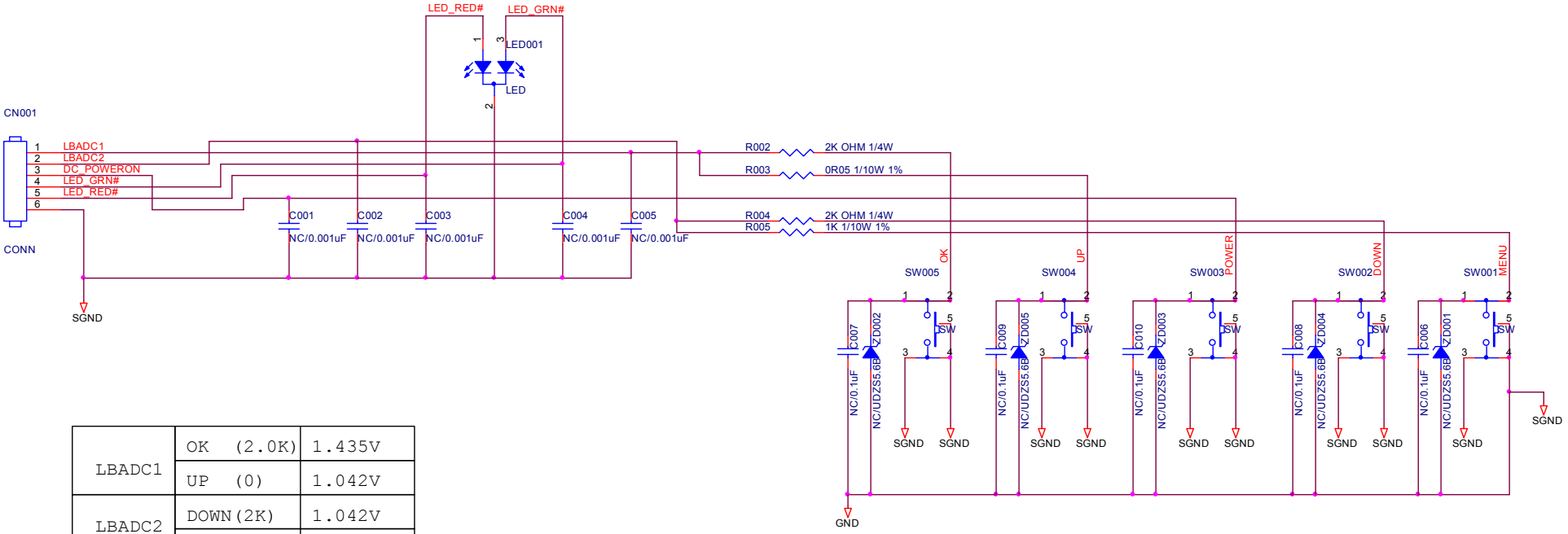


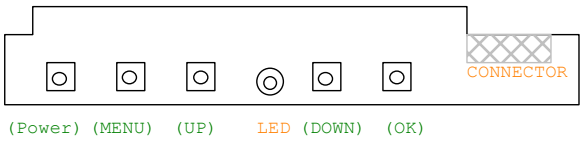
T P V (Top Victory Electronics Co . , Ltd.)		OEM MODEL		Size	Custom
結 陽 瓜 旗 股		TPV MODEL		Rev	2
Key Component	3.INVERTER	PCB NAME	715G2852-2	称 案	ODM MODEL
Date	Monday, March 17, 2008	Sheet	3 of 3		

6.3 Key Board

715G2835 1



LBADC1	OK (2.0K)	1.435V
	UP (0)	1.042V
LBADC2	DOWN(2K)	1.042V
	MENU(1K)	1.435V

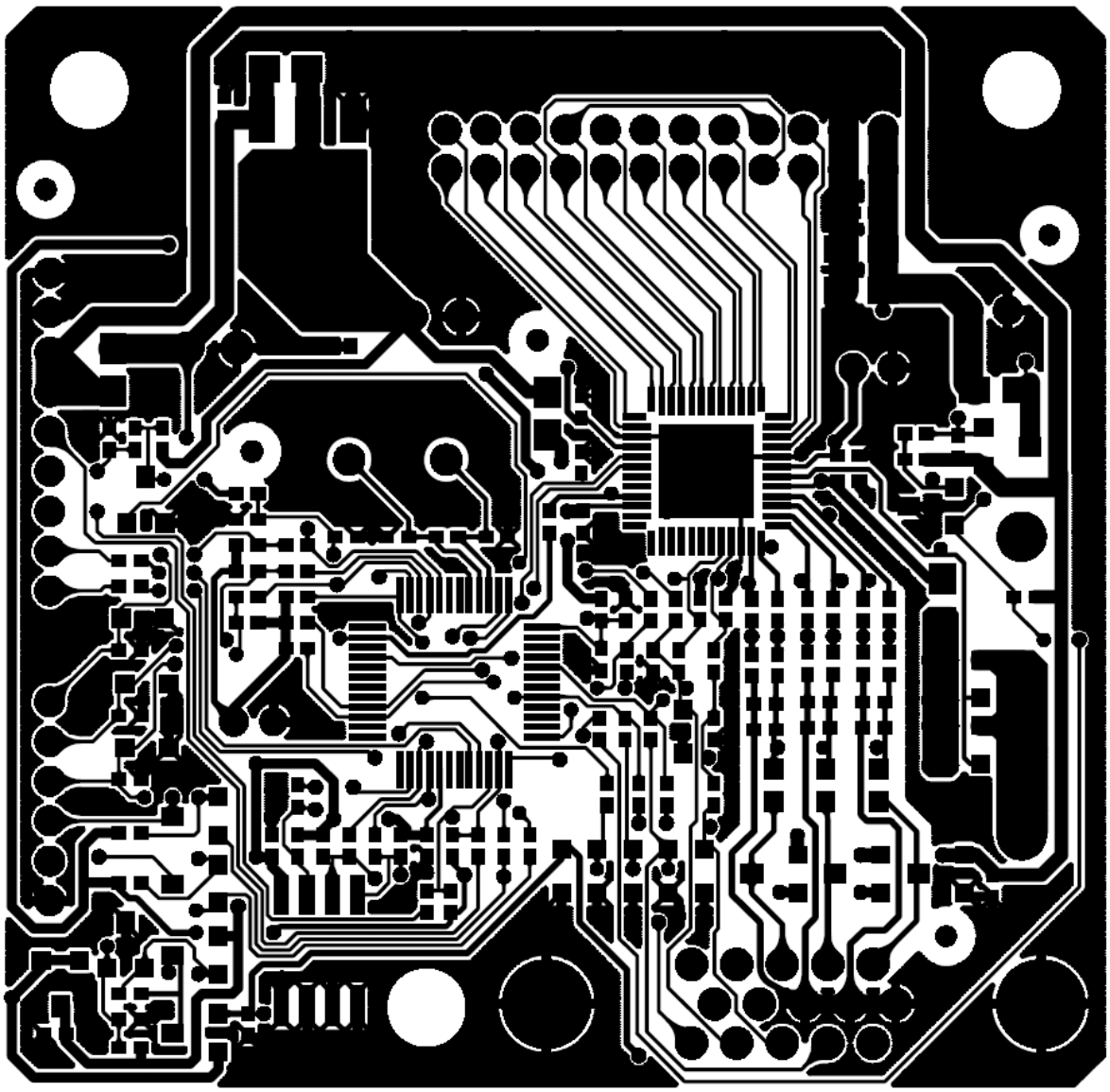


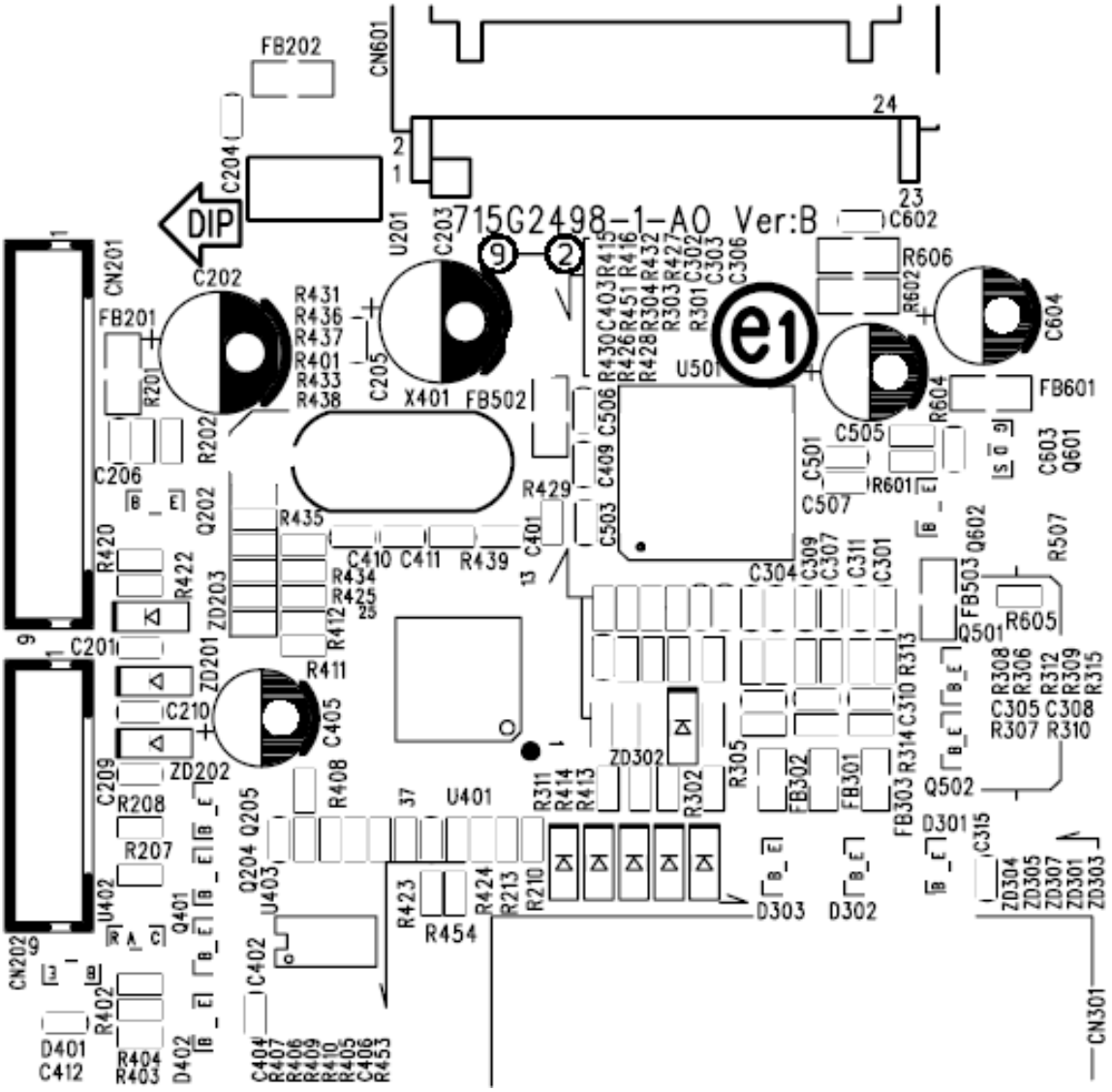
TPV (Top Victory Electronics Co., Ltd.)		OEM MODEL		Size	B
紙隔瓜網腹		TPV MODEL		Rev	A
Key Component	2.0.key	PCB NAME	715G2835-1	称爹	<称爹>
Date	Thursday, January 10, 2008	Sheet	2 of 2		

7. PCB Layout

7.1 Main Board

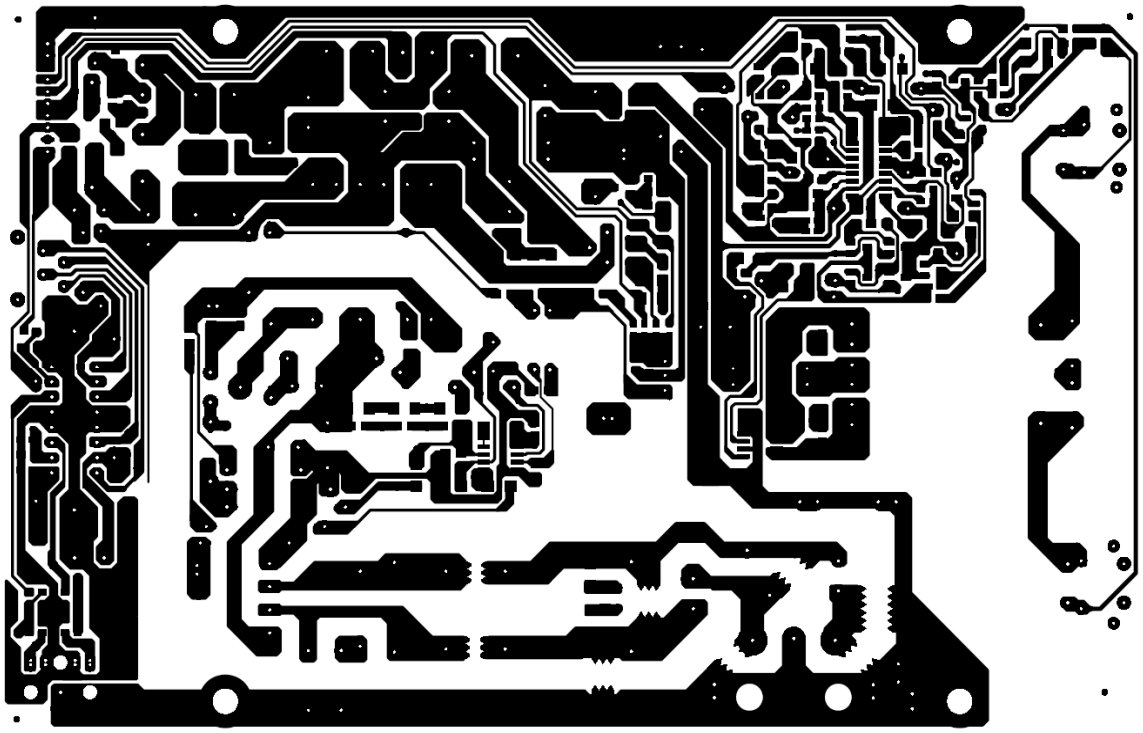
715G2498 1 AO

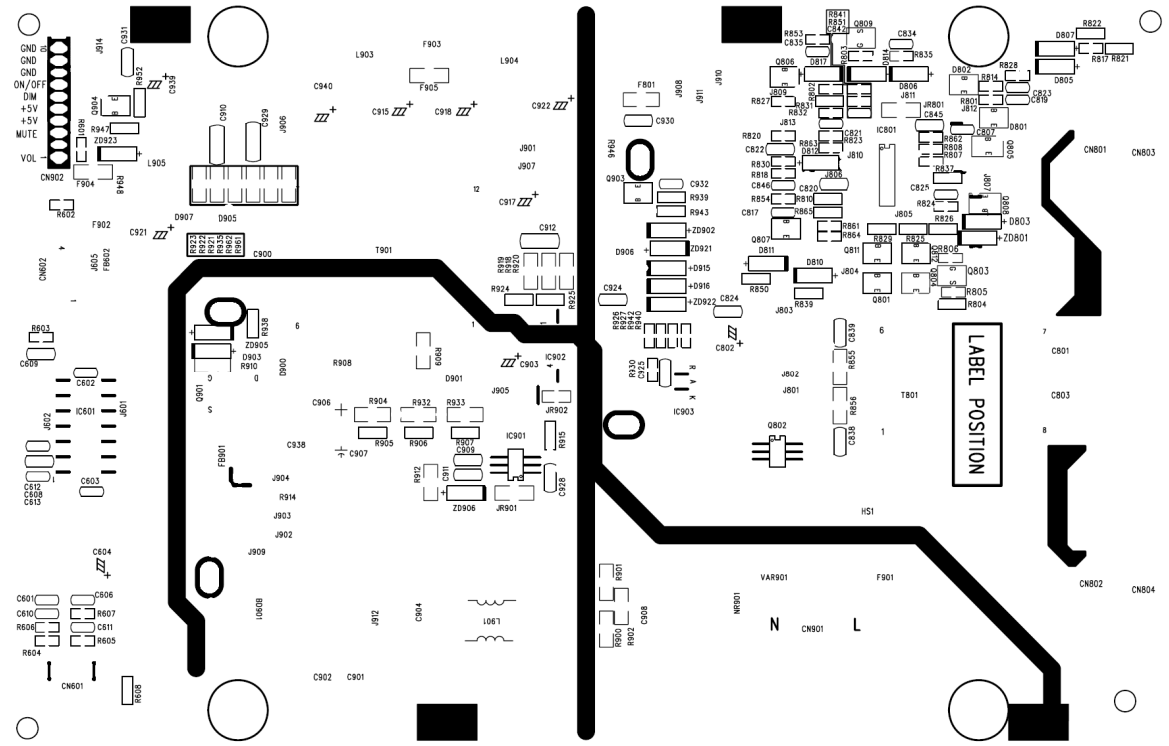


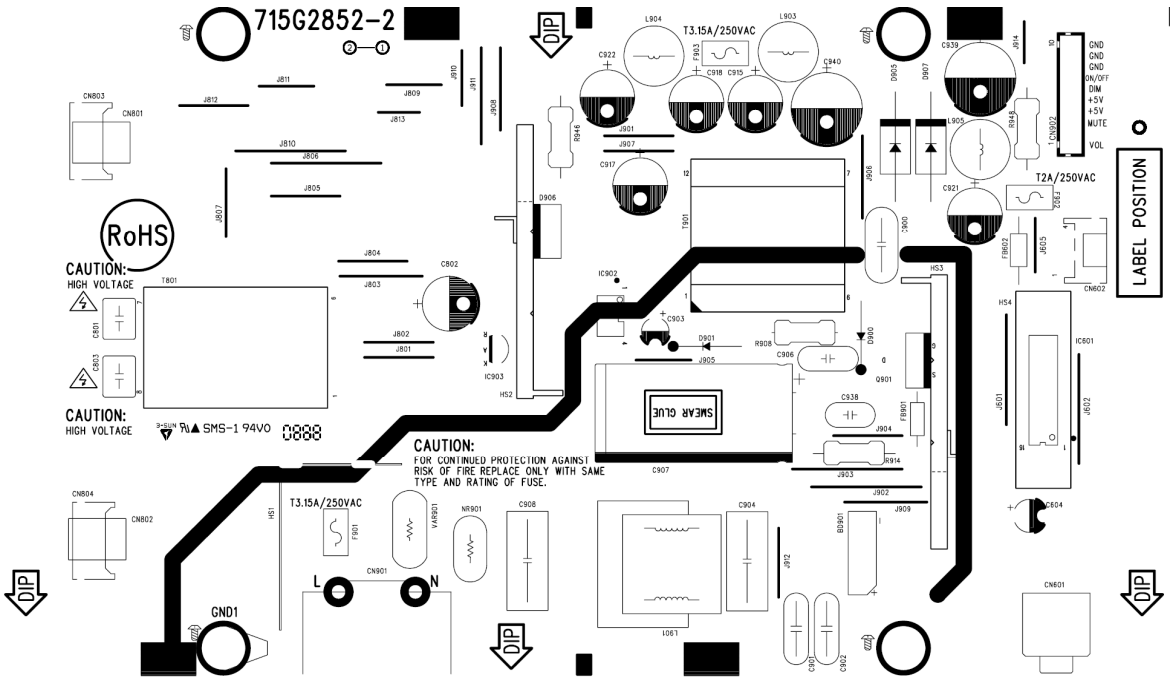


7.2 Power Board

715G2852 2

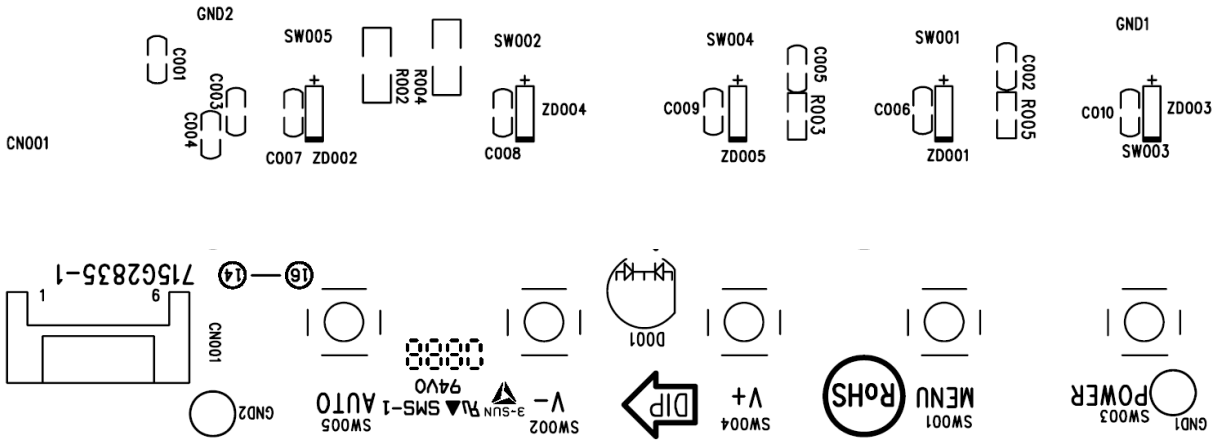






7.3 Key Board

715G2835 1


GND2
SW005
SW002
SW004
SW001
GND1
C001
C003
C004
R002
R004
C007
ZD002
C008
ZD004
C009
ZD005
C005
R003
C006
ZD001
C002
R005
C010
ZD003
SW003
CN001
715G2835-1
16
14
1
9
D001
DIP
V-
V+
MENU
POWER
AUTO
SMS-1
94V0
GND2
SW005
SW002
SW004
SW001
SW003
GND1

8. Maintainability

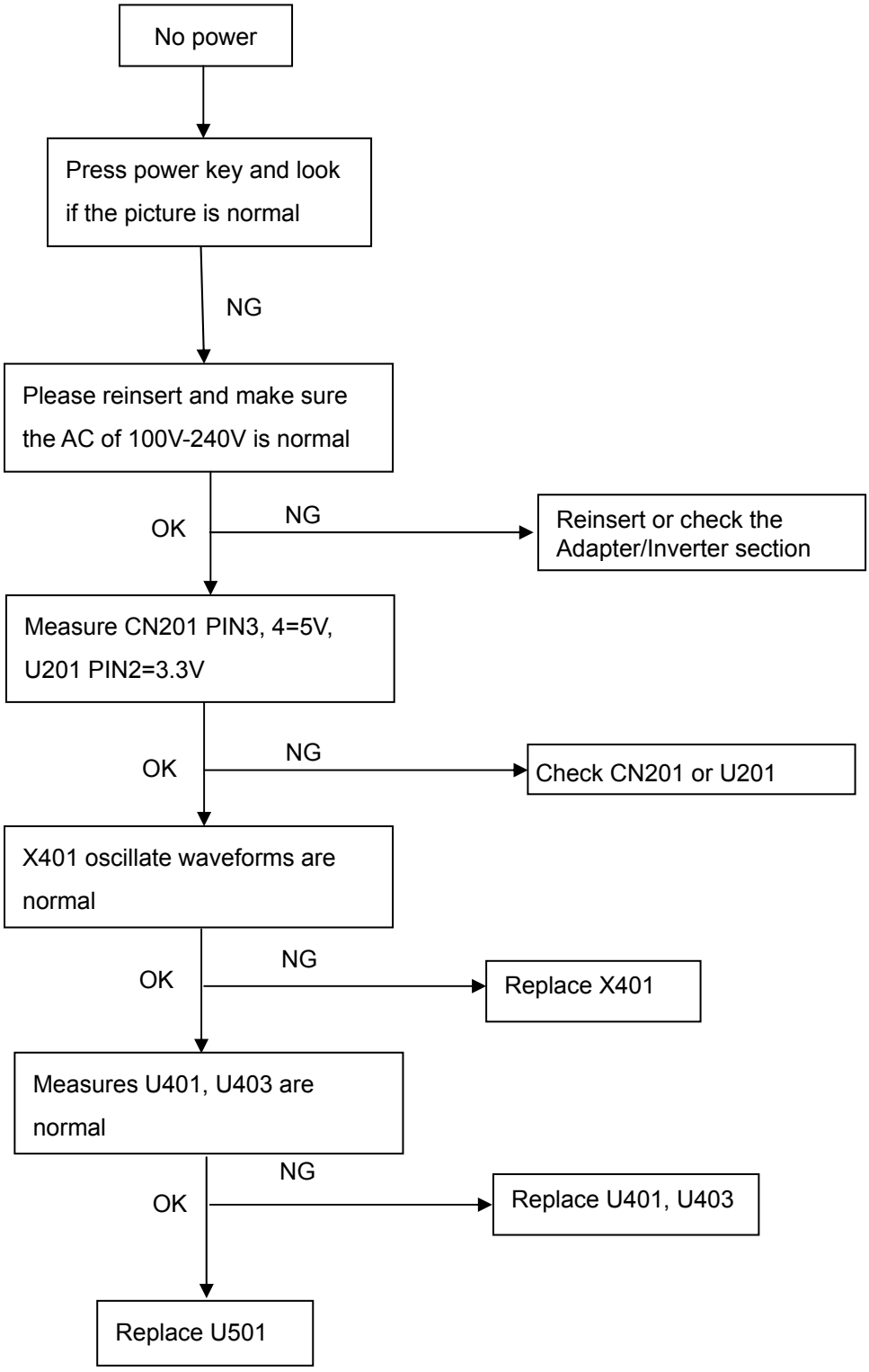
8.1 Equipments and Tools Requirement

1. Multi-meter.
2. Oscilloscope.
3. Pattern Generator.
4. DDC Tool with and Compatible Computer.
5. Alignment Tool.
6. LCD Color Analyzer.
7. Service Manual.
8. User Manual.

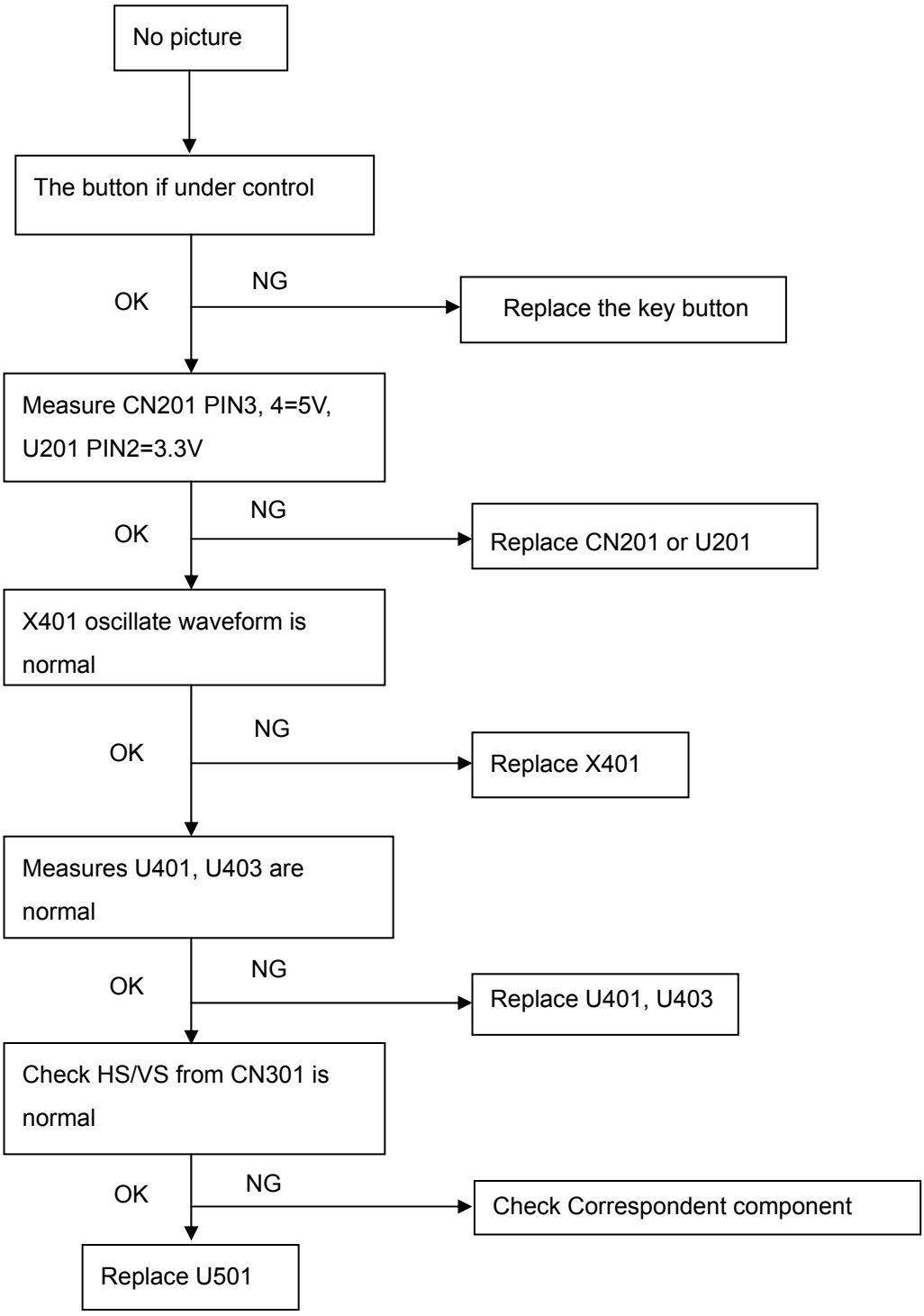
8.2 Trouble Shooting

8.2.1 Main Board

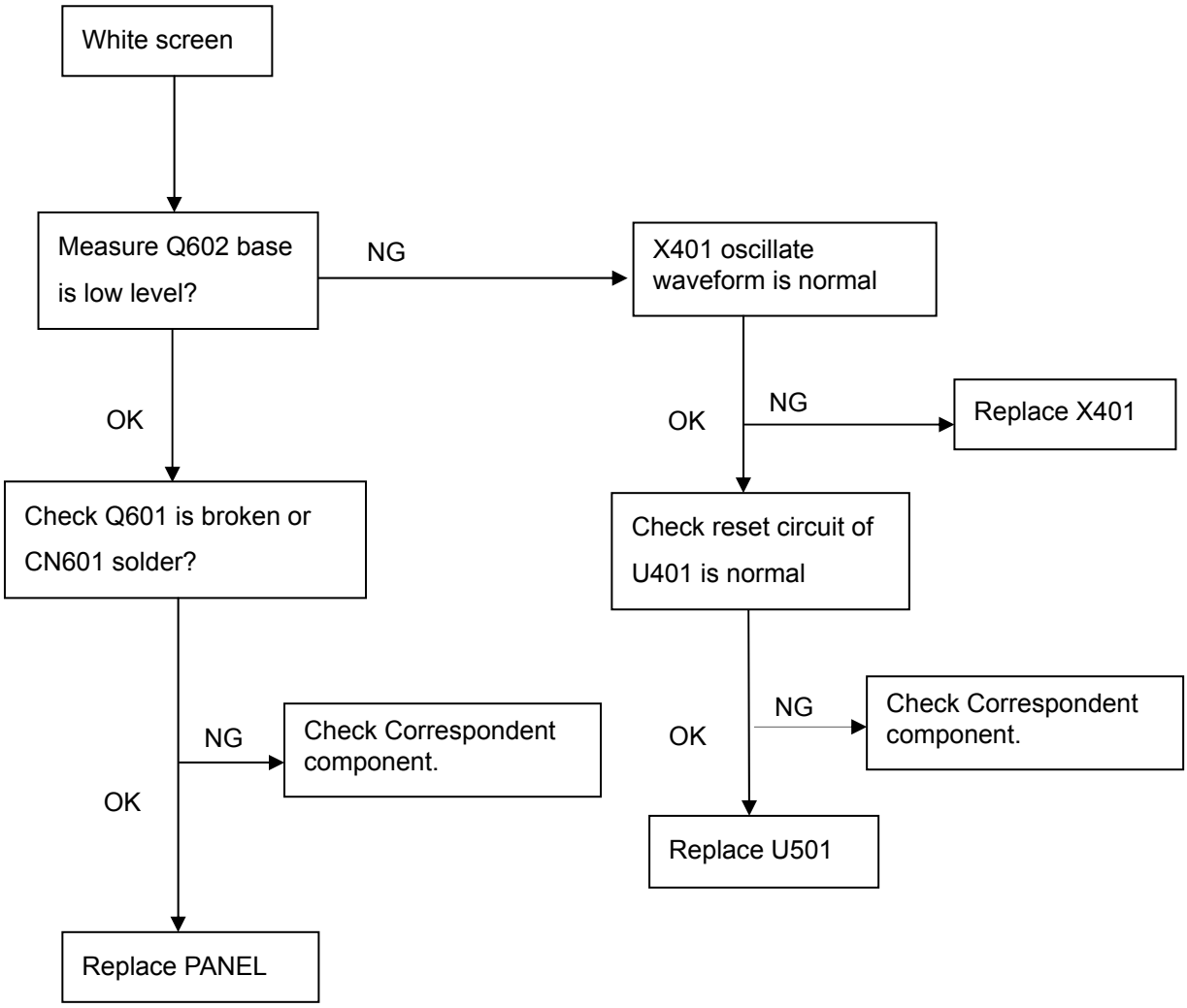
No power



No picture (LED orange)

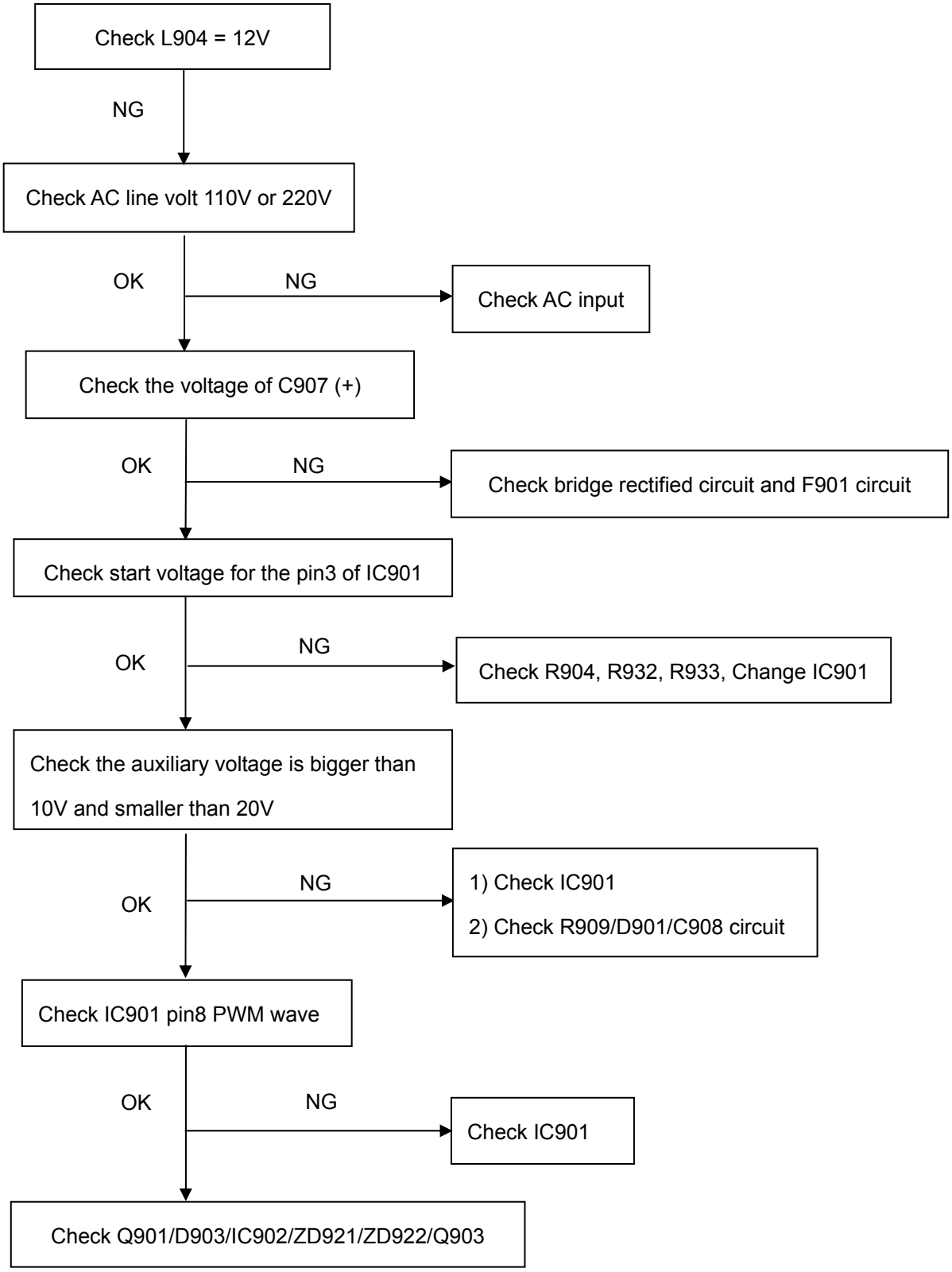


White screen

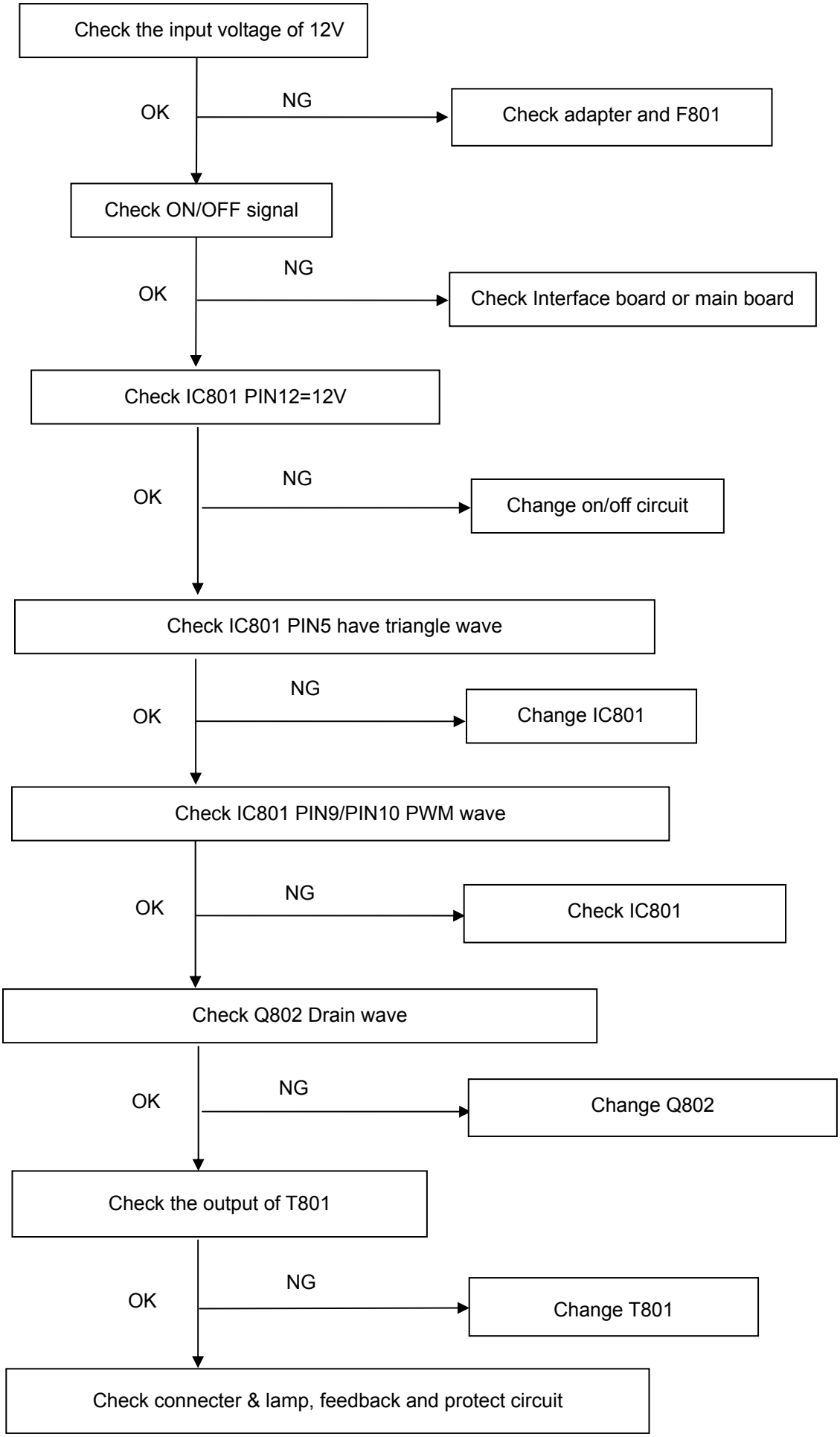


8.2.2 Power Board

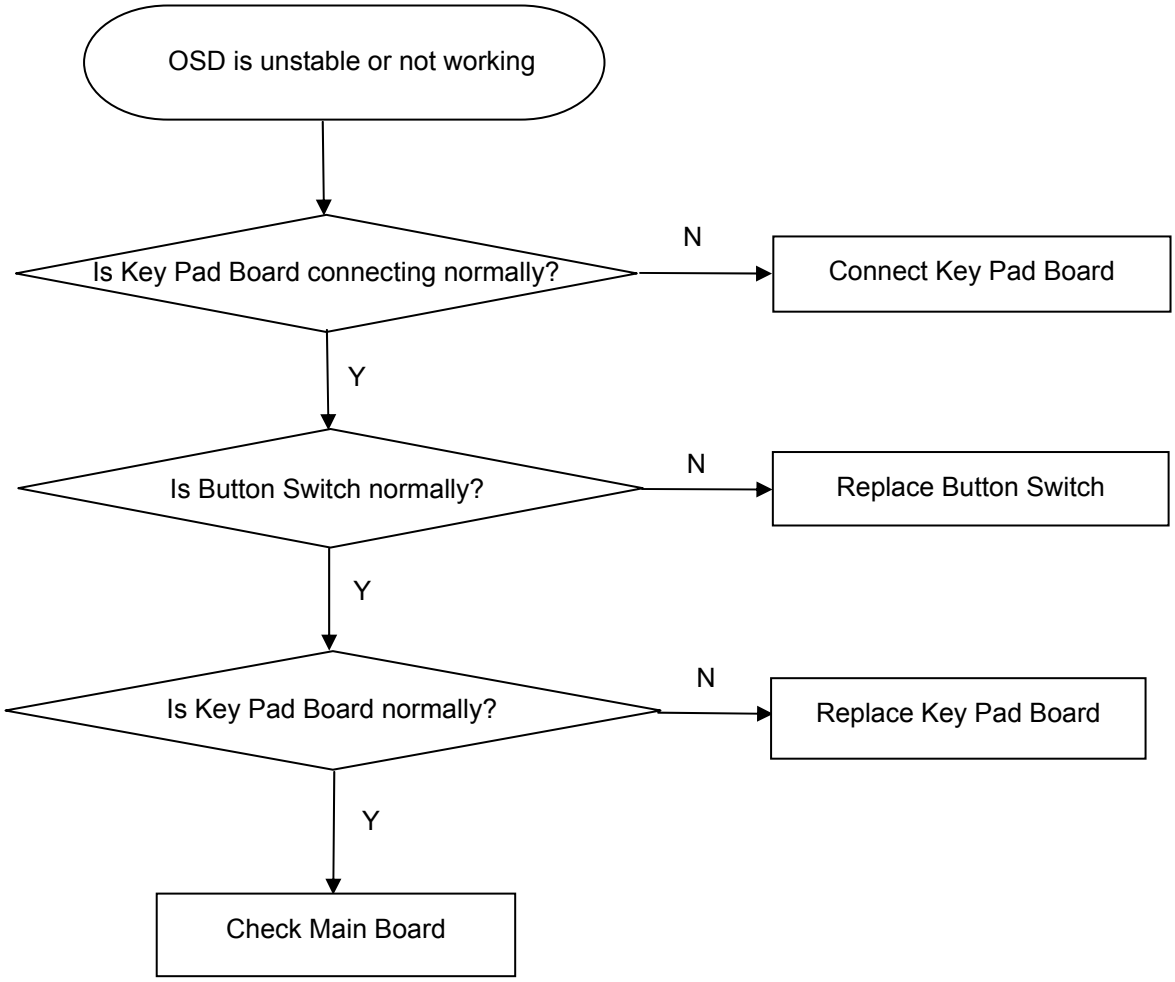
No power



No backlight



8.2.3 Key Board



9. White- Balance, Luminance Adjustment

Approximately 30 minutes should be allowed for warm up before proceeding white balance adjustment.

Before started adjust white balance , please set the Chroma-7120 MEM Channel 3 to Warm (6500K) color, MEM Channel 4 to Normal (7300K) color, MEM Channel 9 to Cool (9300K) color , and MEM Channel 10 to sRGB color (our Warm color parameter is x = 313 ±30, y = 329 ±30, Y>140cd/m^2; Normal color parameter is x = 302 ±30, y = 318 ±30, Y>130cd/m^2; Cool color parameter is x = 283 ±30, y = 297 ±30, Y>110cd/m^2; sRGB color parameter is x = 313 ±30, y = 329 ±30, Y>140cd/m^2)

1. How to setting MEM channel you can reference to chroma 7120 user guide or simple use " SC" key and " NEXT" Key to modify xyY value and use "ID" key to modify the TEXT description Following is the procedure to do white-balance adjust.

2. Setting the color temp. you want

   A. MEM.CHANNEL 3 (Warm color):

      Warm color temp. parameter is x = 313 ±30, y = 329 ±30, Y>140cd/m^2

   B. MEM.CHANNEL 4 (Normal color):

      Normal color temp. parameter is x = 302 ±30, y = 318 ±30, Y>130cd/m^2

   C. MEM.CHANNEL 9 (Cool color):

      Cool color temp. parameter is x = 283 ±30, y = 297 ±30, Y>110cd/m^2

   D. MEM.CHANNEL 10 (sRGB color):

      sRGB color temp. parameter is x = 313 ±30, y = 329 ±30, Y>140cd/m^2

3. Into Factory mode.

Press the MENU button, pull out the power cord, and then plug the power cord. Then the factory OSD will be at the left top of the panel.

4. Bias adjustment:

Set the **Contrast** to 50; Adjust the **Brightness** to 80.

5. Gain adjustment:

Move cursor to "-F-" and press MENU key

   A. Adjust Warm (6500K) color-temperature

      1. Switch the chroma-7120 to **RGB-Mode** (with press "MODE" button)
      2. Switch the MEM.channel to Channel 3 (with up or down arrow on chroma 7120)
      3. The LCD-indicator on chroma 7120 will show x = 313 ±30, y = 329 ±30, Y>140cd/m^2
      4. Adjust the RED on factory window until chroma 7120 indicator reached the value R=100
      5. Adjust the GREEN on factory window until chroma 7120 indicator reachedthe value G=100
      6. Adjust the BLUE on factory window until chroma 7120 indicator reached the value B=100
      7. Repeat above procedure (item 4, 5, 6) until chroma 7120 RGB value meet the tolerance =100±2

   B. Adjust Normal (7300K) color-temperature

      1. Switch the chroma-7120 to **RGB-Mode** (with press "MODE" button)
      2. Switch the MEM.channel to Channel 4(with up or down arrow on chroma 7120)
      3. The LCD-indicator on chroma 7120 will show x = 302 ±30, y = 318 ±30, Y>130cd/m^2
      4. Adjust the RED on factory window until chroma 7120 indicator reached the value R=100

5. Adjust the GREEN on factory window until chroma 7120 indicator reachedthe value G=100
6. Adjust the BLUE on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4, 5, 6) until chroma 7120 RGB value meet the tolerance =100±2

C. Adjust Cool (9300K) color-temperature

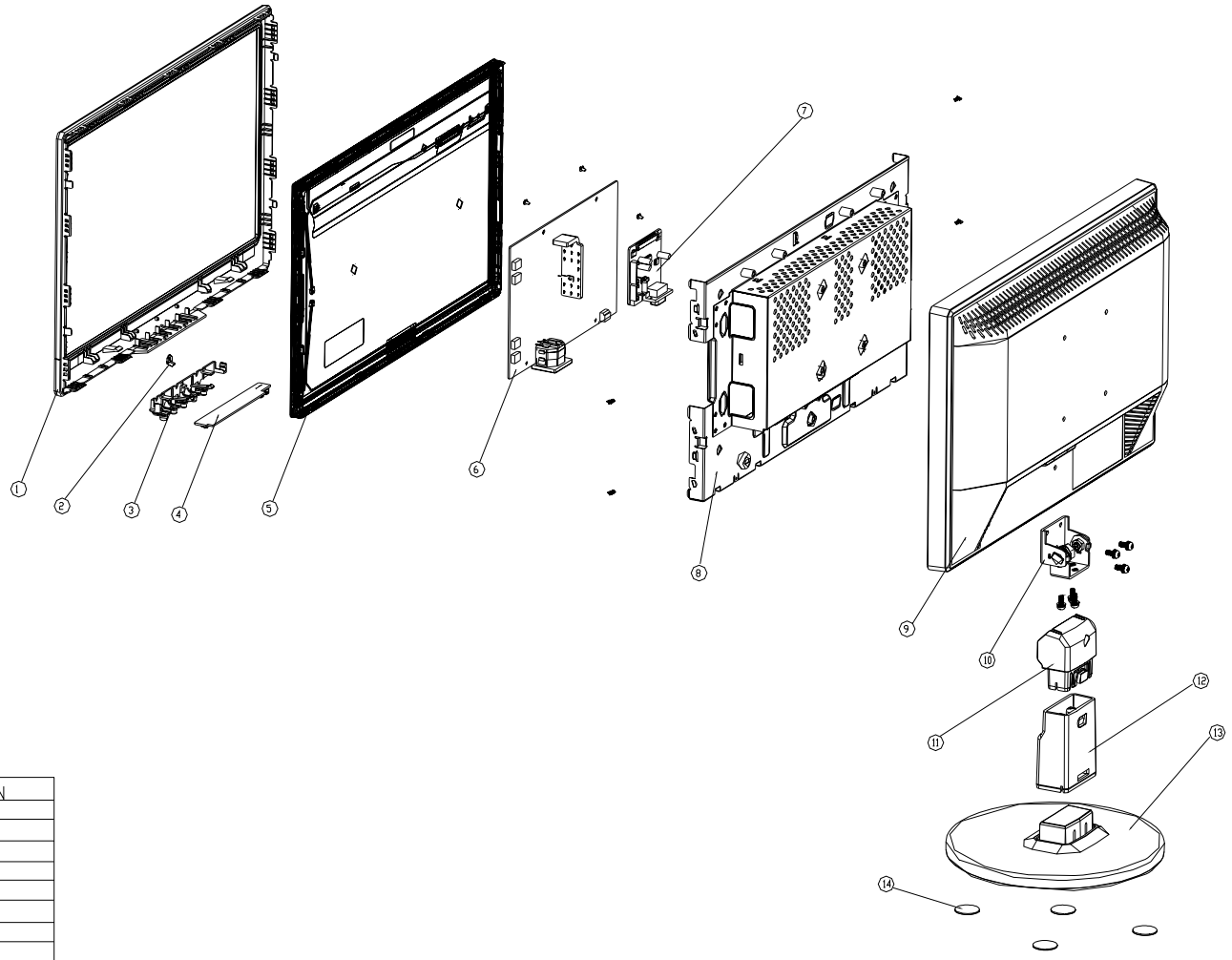
1. Switch the Chroma-7120 to **RGB-Mode** (with press “MODE” button)
2. Switch the MEM. Channel to Channel 9 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show x = 283 ±30, y = 297 ±30, Y>110cd/m^2
4. Adjust the RED on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN on factory window until chroma 7120 indicator reached the value G=100
6. Adjust the BLUE on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4, 5, 6) until chroma 7120 RGB value meet the tolerance =100±2

D. Adjust sRGB color-temperature

1. Switch the chroma-7120 to **RGB-Mode** (with press “MODE” button)
2. Switch the MEM.channel to Channel 10 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show x = 313 ±30, y = 329 ±30, Y>140cd/m^2
4. Adjust the RED on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN on factory window until chroma 7120 indicator reachedthe value G=100
6. Adjust the BLUE of on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4, 5, 6) until chroma 7120 RGB value meet the tolerance =100±2

E. Turn the Power-button off to quit from factory mode.

10. Monitor Exploded View



NO.	DESCRIPTION
1	BEZEL
2	LENS
3	KEY PAD
4	KEY BOARD
5	PANEL
6	POWER BOARD
7	CONVERSION BOARD
8	MAIN FRAME
9	REAR COVER
10	HINGE
11	STAND TOP
12	STAND
13	BASE
14	FOOT

11. BOM List

HCMDLWBT21 T68MRDDCWXKLNN

Location	Part no.	Description
	040G 581743 1A	LOGO LABEL
	050G 600 2	HANDLE1
	050G 600 3	HANDLE2
	052G 1150 C	INSULATING TAPE
	052G 1185 1	BIG TAPE
	052G 1186	SMALL TAPE
	052G6019 1	INSULATING TAPE
E08902	089G 725CAA DB	D-SUB CABLE
E08902	089G 725GAA DB	D-SUB CABLE 2ND SOURCE
E08902	089G 725HAA DB	D-SUB CABLE 2ND SOURCE
	089G417A15N IS	POWER CORD
E09502	095G8014 6JH02	WIRE HARNESS 6P-6P
E09502	095G8014 6WH02	WIRE HARNESS 6P-6P
	095G8018B3D516	LVDS CABLE
	0M1G 130 5120	SCREW
	0M1G1730 6120	SCREW,42-D020523
	705GQ834105	LCD 15.6" STAND-BASE ASS'Y
	AM1G1740 12 47 CR3	SCREW
	Q34G0266ABJ 1B0100	STAND TOP
	Q34G0267ABJ 1B0120	STAND
	Q34G0268ABJ 1B0133	BASE 8S1
	Q37G0067012	HINGE
	750GLM56B1112N	PANEL M156B1-L01 NB CMO
	AM1G1740 12225 CR3	SCREW
	CBPC7MRDA3Q1	CONVERSION BOARD
	040G 45762412B	CBPC LABEL
CN202	033G3802 6	WAFER
CN201	033G3802 9	WAFER 9P RIGHT ANELE PITCH
CN601	033G8027 14 H	WAFER 14P 2.0MM DIP
R507	061G152M339 64	CHIPR 3.3 OHM +-5% 2W
C405	067G 3151007KV	ELCAP 10UF M 50V 105℃ KINGNICHI
C203	067G 3151014KV	EC 105℃ CAP 100UF M 25V
C202	067G 3151014KV	EC 105℃ CAP 100UF M 25V
C505	067G 3152207KV	ELCAP 22UF M 50V 105℃ KING NICHI
C604	067G 3154704KV	ELCAP 47UF M 25V 105℃ KINGNICHI
CN301	088G 35315F H	D-SUB 15PIN 2ND SOURCE
CN301	088G 35315F HD	D-SUB CONN F ATTACHED SCREW

X401	093G 22 45 H	24MHZ/30PF/49US
U402	056G 158501	IC AS431AN-E1 SOT23
U501	056G 562701	SCALER IC RTD2025L QFN-48
U201	056G 585 4A	IC AP1117E33L-13
U401	056G1125701 X(WW7RWR5MRQ1)	IC MCU RTD2120L-LF REALTEK
U403	056G1133 56	M24C16-WMN6TP
Q202	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q401	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q204	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q205	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q602	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q501	057G 417 16 T	MMBT2907
Q502	057G 417 16 T	MMBT2907
Q501	057G 417 22 T	TRA KN2907AS -60V/-0.6A SOT-23
Q502	057G 417 22 T	TRA KN2907AS -60V/-0.6A SOT-23
Q601	057G 763 1	A03401 SOT23 BY AOS(A1)
R429	061G0402000	RST CHIPR 0 OHM +-5% 1/16W
R427	061G0402000	RST CHIPR 0 OHM +-5% 1/16W
R302	061G0402000	RST CHIPR 0 OHM +-5% 1/16W
R301	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R303	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R306	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R308	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R309	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R311	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R312	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R435	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R434	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R433	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R432	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R430	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R410	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R409	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R408	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R315	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R313	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R454	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W
R453	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W
R424	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W
R402	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W

R601	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R438	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R436	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R425	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R416	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R404	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R213	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R210	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R207	061G0402121	RST CHIP 120R 1/16W 5%
R208	061G0402121	RST CHIP 120R 1/16W 5%
R201	061G0402201	RST CHIP 200R 1/16W 5%
R426	061G0402220	RST CHIPR 22 OHM +-5% 1/16W
R428	061G0402220	RST CHIPR 22 OHM +-5% 1/16W
R304	061G0402222	RST CHIPR 2.2 KOHM +-5% 1/16W
R305	061G0402222	RST CHIPR 2.2 KOHM +-5% 1/16W
R437	061G0402392	RST CHIP 3.9K 1/16W 5%
R403	061G0402392	RST CHIP 3.9K 1/16W 5%
R401	061G0402392	RST CHIP 3.9K 1/16W 5%
R202	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W
R411	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W
R412	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W
R451	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W
R605	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W
R405	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W
R406	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W
R407	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W
R413	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W
R414	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W
R604	061G0402473	RST CHIPR 47 KOHM +-5% 1/16W
R415	061G0402682	RST CHIP 6K8 1/16W 5%
R431	061G0402682	RST CHIP 6K8 1/16W 5%
R439	061G0402682	RST CHIP 6K8 1/16W 5%
R307	061G0402750	RST CHIPR 75 OHM +-5% 1/16W
R310	061G0402750	RST CHIPR 75 OHM +-5% 1/16W
R314	061G0402750	RST CHIPR 75 OHM +-5% 1/16W
R602	061G0805331	RST CHIPR 330 OHM +-5% 1/8W
C401	065G0402100 31	CAP 0402 10PF J 50V NPO
C411	065G0402100 31	CAP 0402 10PF J 50V NPO
C602	065G0402103 22	CHIP 0.01UF 25V X7R
C201	065G0402104 15	MLCC 0402 0.1UF K 16V X5R

C204	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C205	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C206	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C209	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C210	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C315	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C403	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C406	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C410	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C501	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C503	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C506	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C507	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C603	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C412	065G0402105 A5	CAP 0402 1UF K 10V X5R
C402	065G0402105 A5	CAP 0402 1UF K 10V X5R
C303	065G0402220 31	CHIP 22PF 50V NPO
C302	065G0402220 31	CHIP 22PF 50V NPO
C404	065G0402224 17	CAP CER 0.22UF -20%-80%
C301	065G0402473 12	CHIP 0.047UF 16V X7R
C304	065G0402473 12	CHIP 0.047UF 16V X7R
C306	065G0402473 12	CHIP 0.047UF 16V X7R
C307	065G0402473 12	CHIP 0.047UF 16V X7R
C309	065G0402473 12	CHIP 0.047UF 16V X7R
C311	065G0402473 12	CHIP 0.047UF 16V X7R
C305	065G0402509 31	CHIP 5PF 50V NPO
C308	065G0402509 31	CHIP 5PF 50V NPO
C310	065G0402509 31	CHIP 5PF 50V NPO
FB502	071G 56K121 M	CHIP BEAD
FB201	071G 56K121 M	CHIP BEAD
FB503	071G 56K121 M	CHIP BEAD
FB601	071G 56K121 M	CHIP BEAD
FB303	071G 59K190 B	19 OHM BEAD
FB302	071G 59K190 B	19 OHM BEAD
FB301	071G 59K190 B	19 OHM BEAD
D301	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D302	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D303	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D402	093G 64 42 PP	BAV70 SOT-23
ZD304	093G 39S 34 T	UDZSNP5.6B ROHM

ZD301	093G 39S 34 T	UDZSNP5.6B ROHM
ZD302	093G 39S 34 T	UDZSNP5.6B ROHM
ZD303	093G 39S 34 T	UDZSNP5.6B ROHM
ZD305	093G 39S 34 T	UDZSNP5.6B ROHM
ZD307	093G 39S 34 T	UDZSNP5.6B ROHM
	715G2498 1 AO	MAIN BOARD PCB
	KEPC7QAK	KEY BOARD
CN001	033G3802 6H	WAFER 6P RIGHT ANGLE PITCH 2.0
SW001	077G 600 1GCJ	TACT SWITCH TSPB-2 -NP
SW002	077G 600 1GCJ	TACT SWITCH TSPB-2 -NP
SW003	077G 600 1GCJ	TACT SWITCH TSPB-2 -NP
SW004	077G 600 1GCJ	TACT SWITCH TSPB-2 -NP
SW005	077G 600 1GCJ	TACT SWITCH TSPB-2 -NP
SW001	077G 600 1A CJ	TACT SWITCH 2PIN
SW002	077G 600 1A CJ	TACT SWITCH 2PIN
SW003	077G 600 1A CJ	TACT SWITCH 2PIN
SW004	077G 600 1A CJ	TACT SWITCH 2PIN
SW005	077G 600 1A CJ	TACT SWITCH 2PIN
SW005	077G 600 1A HJ	TACT SWITCH 5PIN
SW003	077G 600 1A HJ	TACT SWITCH 5PIN
SW004	077G 600 1A HJ	TACT SWITCH 5PIN
SW002	077G 600 1A HJ	TACT SWITCH 5PIN
SW001	077G 600 1A HJ	TACT SWITCH 5PIN
D001	081G 12 1F GH	1ED 3PIN Φ3 YELLOW/GREEN GHZYG603D2-5B
D001	081G 12 1F GP	LED 3Φ YELLOW/GREEN GP32032M/G307-ZY-50-C
R003	061G0603000 1F	RST CHIPR 0 OHM +-1% 1/10W
R005	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W
R004	061G1206200 1F	RST CHIPR 2.0 KOHM +-1% 1/4W
R002	061G1206200 1F	RST CHIPR 2.0 KOHM +-1% 1/4W
	715G2835 1	KEY BOARD PCB
	PWPC8521VYD1	POWER BOARD
	040G 45762412B	CBPC LABEL
CN802	033G8021 2E F	WAFER
CN801	033G8021 2E F	WAFER
	051G 6 4503	GLUE_RTV
IC902	056G 139 3A	IC PC123Y22FZ0F
NR901	061G 58080 WT	8 OHM NCT
R908	061G152M10452T	RST MOFR 100KOHM +-5% 2WS
C908	063G107K2246S1	X2 CAP 0.22UF K 275VAC
C904	063G107K2246S1	X2 CAP 0.22UF K 275VAC

C803	065G 3J3006ET	30PF 5% SL 3KV TDK
C801	065G 3J3006ET	30PF 5% SL 3KV TDK
C902	065G305M1022BP	Y2 1000PF M 250VAC Y5P
C901	065G305M1022BP	Y2 1000PF M 250VAC Y5P
C900	065G306M3322BP	3300PF 20%
C802	067G215D4714KV	E.C 105℃ CAP 470UF M 25V ED SERIES
C940	067G215P1024AV	CAP 105℃ 1000UF M 25V
C922	067G215P4714AV	CAP 105℃ 470UF M 25V
C917	067G215P6814AV	CAP 105C 680UF M 25V
C918	067G215P6814AV	CAP 105C 680UF M 25V
C915	067G215S4713KT	470UF 16V
C907	067G215Z10115A	CAP 105℃ 100UF M 450V
L901	073L 174 26H2G	LINE FILTER 27MH
T801	080GL17T 40 H	XFMR INVERTER DADON
T901	080GL19T 26 T	X'FMR 460UH SRW24LQL-T15H016
CN901	087G 501 32 S	AC SOCKET
CN901	087G 501 32 DL	AC SOCKET DIP 3PIN+2PIN GROUND
BD901	093G 50460 28	BRIDGE DIODE KBP208G LITEON
D905	093G3006 1 1	31DQ06FC3 NIHON INTER
CN902	095G 82010D508	WIRE HARNESS 10P(SAN)-9P(PH) 100MM
CN902	095G 82010E508	WIRE HARNESS 10P(SAN)-9P(PH) 100MM
CN902	095G 82010Q508	WIRE HARNESS 10P(SAN)-9P(PH) 100MM
	705GQ757011	Q901 ASS'Y
Q901	057G 667 30	2SK2645
Q901	057G 724 11	STP9NK65ZFP
	0M1G1730 8120	SCREW
HS3	Q90G6263 3	HEAT SINK
	705GQ793053	D906 ASS'Y
D906	093G 60250	FCH10U10
D906	093G 60267	SP10100
	0M1G1730 8120	SCREW
HS2	Q90G6263 3	HEAT SINK
IC801	056G 379 22	IC TL494IDR SOIC-16
IC901	056G 379 76	IC LD7552BPS SOP-8
Q801	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q806	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q811	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q903	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q804	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q812	057G 417 6	PMBS3906/PHILIPS-SMT(06)

Q801	057G 417 12 T	KEC 2N3904S-RTK/PS
Q806	057G 417 12 T	KEC 2N3904S-RTK/PS
Q811	057G 417 12 T	KEC 2N3904S-RTK/PS
Q903	057G 417 12 T	KEC 2N3904S-RTK/PS
Q804	057G 417 13 T	KEC 2N3906S-RTK/PS
Q812	057G 417 13 T	KEC 2N3906S-RTK/PS
Q802	057G 600 55	P5506 HVG SO-8
Q809	057G 759 2	RK7002
Q808	057G 760 4B	PDTA144WK SOT346
Q805	057G 760 5B	PDTC144WK SOT346
Q802	057G 763 14	AM9945N
R823	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R818	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W
R824	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W
R827	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W
R926	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W
R942	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W
R863	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W
R832	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W
R828	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W
R820	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W
R817	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W
R808	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W
R807	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W
R802	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W
R835	061G0603105	RST CHIPR 1M OHM +-5% 1/10W
R862	061G0603105	RST CHIPR 1M OHM +-5% 1/10W
R814	061G0603150 1F	RST CHIPR 1.5 KOHM +-1% 1/10W
R801	061G0603150 1F	RST CHIPR 1.5 KOHM +-1% 1/10W
R930	061G0603243 1F	RST CHIPR 2.43K OHM +-1% 1/10W
R940	061G0603330 2F	RST CHIPR 33K OHM +-1% 1/10W
R927	061G0603360 1F	RST CHIPR 3.6K OHM +-1% 1/10W
R851	061G0603680 1F	RST CHIPR 6.8 KOHM +-1% 1/10W
R841	061G0603680 2F	RST CHIPR 68K OHM +-1% 1/10W
R853	061G0603683	RST CHIPR 68K OHM +-5% 1/10W
R803	061G0603684	RST CHIPR 680 KOHM +-5% 1/10W
JR902	061G0805000	RST CHIPR 0 OHM +-5% 1/8W
R821	061G0805100 1F	RST CHIPR 1K OHM +-1% 1/8W
R822	061G0805100 1F	RST CHIPR 1K OHM +-1% 1/8W
R831	061G0805100 1F	RST CHIPR 1K OHM +-1% 1/8W

R915	061G0805100 3F	RST CHIPR 100KOHM +-1% 1/8W
R804	061G0805101	1ST CHIPR 100 OHM +-5% 1/8W
R826	061G0805102	RST CHIPR 1K OHM +-5% 1/8W
R925	061G0805102	RST CHIPR 1K OHM +-5% 1/8W
R939	061G0805102	RST CHIPR 1K OHM +-5% 1/8W
R938	061G0805103	RST CHIPR 10K OHM +-5% 1/8W
R924	061G0805151	RST CHIPR 150 OHM +-5% 1/8W
R825	061G0805220	RST CHIPR 22 OHM +-5% 1/8W
R829	061G0805220	RST CHIPR 22 OHM +-5% 1/8W
R839	061G0805220	RST CHIPR 22 OHM +-5% 1/8W
R850	061G0805220	RST CHIPR 22 OHM +-5% 1/8W
R943	061G0805471	RST CHIPR 470 OHM +-5% 1/8W
R837	061G0805473	RST CHIPR 47K OHM +-5% 1/8W
R810	061G0805510 2F	RST CHIPR 51K OHM +-1% 1/8W
JR801	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
JR901	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
F801	061G1206000 4	RST CHIPR 0 OHM +-5% 1/4W
F905	061G1206000 4	RST CHIPR 0 OHM +-5% 1/4W
R910	061G1206100	RST CHIPR 10 OHM +-5% 1/4W
R918	061G1206101	RST CHIPR 100 OHM +-5% 1/4W
R919	061G1206101	RST CHIPR 100 OHM +-5% 1/4W
R920	061G1206101	RST CHIPR 100 OHM +-5% 1/4W
R935	061G1206101	RST CHIPR 100 OHM +-5% 1/4W
R961	061G1206101	RST CHIPR 100 OHM +-5% 1/4W
R962	061G1206101	RST CHIPR 100 OHM +-5% 1/4W
R856	061G1206150	RST CHIPR 15 OHM +-5% 1/4W
R855	061G1206150	RST CHIPR 15 OHM +-5% 1/4W
R912	061G1206221	RST CHIPR 220 OHM +-5% 1/4W
R933	061G1206304	RST CHIPR 300K OHM +-5% 1/4W
R932	061G1206304	RST CHIPR 300K OHM +-5% 1/4W
R904	061G1206304	RST CHIPR 300K OHM +-5% 1/4W
R909	061G1206519	RST CHIPR 5.1 OHM +-5% 1/4W
R902	061G1206684	RST CHIPR 680K OHM +-5% 1/4W
R901	061G1206684	RST CHIPR 680K OHM +-5% 1/4W
R900	061G1206684	RST CHIPR 680K OHM +-5% 1/4W
C932	065G0603102 32	1000PF +-10% 50V X7R
C842	065G0603103 32	CAP CHIP 0603 0.01UF K 50V X7R
C834	065G0603104 22	CAP CHIP 0603 0.1UF K 25V X7R
C825	065G0603104 22	CAP CHIP 0603 0.1UF K 25V X7R
C821	065G0603104 22	CAP CHIP 0603 0.1UF K 25V X7R

C807	065G0603104 22	CAP CHIP 0603 0.1UF K 25V X7R
C823	065G0603222 22	CHIP 2200PF 25V X7R
C819	065G0603222 22	CHIP 2200PF 25V X7R
C928	065G0805103 32	CAP CHIP 0805 10NF K 50V X7R
C931	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R
C930	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R
C924	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R
C911	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R
C824	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R
C822	065G0805105 22	CAP CHIP 0805 1UF K 25V X7R
C838	065G0805152 31	1.5NF/50V
C839	065G0805152 31	1.5NF/50V
C820	065G080522131G	CAP CHIP 0805 220PF G 50V NPO
C845	065G0805225 12	CAP CHIP 0805 2.2UF K 16V X7R
C909	065G0805471 21	CAP CHIP 0805 470PF J 25V NPO
C912	065G1206102 72	CAP CHIP 1206 1000PF K 500V X7R
C929	065G1206102 72	CAP CHIP 1206 1000PF K 500V X7R
D801	093G 64 33	DIO SIG SM BAV99 (PHSE)R
D802	093G 64 33	DIO SIG SM BAV99 (PHSE)R
ZD906	093G 39S 20 T	RLZ22B LLDS
ZD922	093G 39S 25 T	RLZ5.1B LLDS
ZD902	093G 39S 40 T	RLZ 13B LLDS
ZD921	093G 39S 40 T	RLZ 13B LLDS
ZD905	093G 39S 44 T	RLZ18B LLDS
D805	093G 64S522SEM	LL4148
D806	093G 64S522SEM	LL4148
D807	093G 64S522SEM	LL4148
D812	093G 64S522SEM	LL4148
D814	093G 64S522SEM	LL4148
D817	093G 64S522SEM	LL4148
D903	093G 64S522SEM	LL4148
D916	093G 64S522SEM	LL4148
D915	093G 64S522SEM	LL4148
CN901	006G 31500	EYELET
IC903	056G 158 10 T	IC AS431AZTR-E1 TO-92
IC903	056G 158 12	KIA431A-AT/P TO-92
R946	061G152M15152T	RST MOFR 150 OHM +-5% 2WS
R914	061G152M47852T	RST MOFR 0.47 OHM +-5% 2WS
C906	065G 2K152 1T6213	CAP CER 1500PF K 2KV
C903	067G 2152207NT	KY50VB22M-TP5 5*11

FB901	071G 55 29	FERRITE BEAD
F901	084G 56 3 B	FUSE 3.15A 250V
F901	084G 56 3W	FUSE
D900	093G 6026T52T	RECTIFIER DIODE FR107
D901	093G 6038T52T	FR103
J813	095G 90 23	JUMPER
J812	095G 90 23	JUMPER
J809	095G 90 23	JUMPER
J807	095G 90 23	JUMPER
J806	095G 90 23	JUMPER
J805	095G 90 23	JUMPER
J804	095G 90 23	JUMPER
J803	095G 90 23	JUMPER
J802	095G 90 23	JUMPER
J811	095G 90 23	JUMPER
J801	095G 90 23	JUMPER
J901	095G 90 23	JUMPER
J911	095G 90 23	JUMPER
J910	095G 90 23	JUMPER
J909	095G 90 23	JUMPER
J908	095G 90 23	JUMPER
J907	095G 90 23	JUMPER
J912	095G 90 23	JUMPER
J914	095G 90 23	JUMPER
J906	095G 90 23	JUMPER
J905	095G 90 23	JUMPER
J904	095G 90 23	JUMPER
J903	095G 90 23	JUMPER
J902	095G 90 23	JUMPER
	715G2852 2	POWER BOARD PCB
L904	S73G25391V1	CHOKE COIL ASS'Y
L903	S73G25391V1	CHOKE COIL ASS'Y
	Q15G0248101	MAIN FRAME
	Q33G0170ABJ 1L0100	KEY PAD
	Q33G0171 1 1C0100	LENS
	Q34G0273ABJC3B0130	BEZEL(L156W-8Q3)
	Q34G0274ABJ 2B0100	REAR COVER15.6"
	Q40G 15N74312A	RATING LABEL
	Q40G0002743 3A	POP LABEL
	Q40G0002743 5A	STICKER LABEL FOR CARTON

	Q44G5022101	EPS
	Q44G5022201	EPS
	Q44G5022743 2A	15.6 LCD HCL CARTON
	Q45G 77 5	PE PACKING
	Q45G 88606 R	PE BAG FOR BASE
	Q45G 88607 28	PE BAG FOR CLAMP/STAND
	Q45G 88CKD 2 R	PE BAG FOR MONITOR
	Q52G6020114	PROTECT FILM
	041G780061537A	TCO'03 CARD
	045G 76 28 RN	PE BAG FOR MANUAL
	Q41G500074315A	MANUAL
	026G 800504 3	BARCODE LABEL FOR 4
	040G 58162435A	P/N LABEL FOR MANUAL PE BAG

HCMDLWBN21 T67MRDNCWXLHNN

Location	Part No.	Description	Remark
	040G 581743 1A	LOGO LABEL	
	050G 600 2	HANDLE1	
	050G 600 3	HANDLE2	
	052G 1150 C	INSULATING TAPE	
	052G 1185 1	BIG TAPE	
	052G 1186	SMALL TAPE	
	052G 1211 A	CONDUCTIVE TAPE 55MM *45MM *0.08MM	
	052G6019 1	INSULATING TAPE	
E08902	089G 725CAA DB	D-SUB CABLE	
E08902	089G 725GAA DB	D-SUB CABLE	2nd source
E08902	089G 725HAA DB	D-SUB CABLE	2nd source
	089G417A15N IS	POWER CORD	
E09502	095G8014 6JH02	WIRE HARNESS 6P-6P	2nd source
E09502	095G8014 6WH02	WIRE HARNESS 6P-6P	
	095G8018B3D516	LVDS CABLE	
	0M1G 130 5120	SCREW	
	0M1G1730 6120	SCREW,42-D020523	
	705GQ834105	LCD 15.6" STAND-BASE ASS'Y	
	AM1G1740 12 47 CR3	SCREW	
	Q12G6600 6	FOOT	
	Q34G0266ABJ 1B0100	STAND TOP	
	Q34G0267ABJ 1B0120	STAND	
	Q34G0268ABJ 1B0133	BASE 8S1	
	Q37G0067012	HINGE	
	750GLM56B1112N	PANEL M156B1-L01 NB CMO	
	AM1G1740 12225 CR3	SCREW	
	CBPC7MRDA3Q1	MAIN BOARD	
	040G 45762412B	CBPC LABEL	
CN202	033G3802 6	WAFER	
CN201	033G3802 9	WAFER 9P RIGHT ANELE PITCH	
CN601	033G8027 14 H	WAFER 14P 2.0MM DIP	
R507	061G152M339 64	CHIPR 3.3 OHM +-5% 2W	
C405	067G 3151007KV	ELCAP 10UF M 50V 105℃ KINGNICHI	
C203	067G 3151014KV	EC 105℃ CAP 100UF M 25V	
C202	067G 3151014KV	EC 105℃ CAP 100UF M 25V	
C505	067G 3152207KV	ELCAP 22UF M 50V 105℃ KING NICHI	
C604	067G 3154704KV	ELCAP 47UF M 25V 105℃ KINGNICHI	
CN301	088G 35315F HD	D-SUB CONN F ATTACHED SCREW	2nd source

CN301	088G 35315F XH	D-SUB 15PIN VERTICAL CONN WITH SCREW	2nd source
CN301	088G 35315F XH	D-SUB 15PIN VERTICAL CONN WITH SCREW	
X401	093G 22 45 H	24MHZ/30PF/49US	
U402	056G 158501	IC AS431AN-E1 SOT23	
U501	056G 562701	SCALER IC RTD2025L QFN-48	
U201	056G 585 4A	IC AP1117E33L-13	
U401	056G1125701 X(WW7RWR5MRQ1)	IC MCU RTD2120L-LF REALTEK	
U403	056G1133 56	M24C16-WMN6TP	
Q501	057G 417 16 T	MMBT2907	
Q502	057G 417 16 T	MMBT2907	
Q501	057G 417 22 T	TRA KN2907AS -60V/-0.6A SOT-23	
Q502	057G 417 22 T	TRA KN2907AS -60V/-0.6A SOT-23	
Q601	057G 763 1	A03401 SOT23 BY AOS(A1)	
R302	061G0402000	RST CHIP MAX 0R05 1/16W	
R427	061G0402000	RST CHIP MAX 0R05 1/16W	
R429	061G0402000	RST CHIP MAX 0R05 1/16W	
R312	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R311	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R309	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R308	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R306	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R303	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R301	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R313	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R435	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R434	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R433	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R432	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R430	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R410	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R409	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R408	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R315	061G0402101	RST CHIPR 100 OHM +-5% 1/16W	
R402	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W	
R424	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W	
R453	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W	
R601	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	

R438	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R436	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R425	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R416	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R404	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R213	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R210	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W	
R207	061G0402121	RST CHIP 120R 1/16W 5%	
R208	061G0402121	RST CHIP 120R 1/16W 5%	
R201	061G0402201	RST CHIP 200R 1/16W 5%	
R426	061G0402220	RST CHIPR 22 OHM +-5% 1/16W	
R428	061G0402220	RST CHIPR 22 OHM +-5% 1/16W	
R304	061G0402222	RST CHIPR 2.2 KOHM +-5% 1/16W	
R305	061G0402222	RST CHIPR 2.2 KOHM +-5% 1/16W	
R401	061G0402392	RST CHIP 3.9K 1/16W 5%	
R403	061G0402392	RST CHIP 3.9K 1/16W 5%	
R437	061G0402392	RST CHIP 3.9K 1/16W 5%	
R407	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W	
R406	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W	
R405	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W	
R605	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W	
R451	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W	
R412	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W	
R411	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W	
R202	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W	
R413	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W	
R414	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W	
R604	061G0402473	RST CHIPR 47 KOHM +-5% 1/16W	
R415	061G0402682	RST CHIP 6K8 1/16W 5%	
R431	061G0402682	RST CHIP 6K8 1/16W 5%	
R439	061G0402682	RST CHIP 6K8 1/16W 5%	
R314	061G0402750	RST CHIPR 75 OHM +-5% 1/16W	
R310	061G0402750	RST CHIPR 75 OHM +-5% 1/16W	
R307	061G0402750	RST CHIPR 75 OHM +-5% 1/16W	
R602	061G0805331	RST CHIPR 330 OHM +-5% 1/8W	
C401	065G0402100 31	CAP 0402 10PF J 50V NPO	
C411	065G0402100 31	CAP 0402 10PF J 50V NPO	
C602	065G0402103 22	CHIP 0.01UF 25V X7R	
C201	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C204	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	

C205	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C206	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C209	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C210	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C315	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C403	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C406	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C410	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C501	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C503	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C506	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C507	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C603	065G0402104 15	MLCC 0402 0.1UF K 16V X5R	
C412	065G0402105 A5	CAP 0402 1UF K 10V X5R	
C402	065G0402105 A5	CAP 0402 1UF K 10V X5R	
C303	065G0402220 31	CHIP 22PF 50V NPO	
C302	065G0402220 31	CHIP 22PF 50V NPO	
C404	065G0402224 17	CAP CER 0.22UF -20%-80%	
C311	065G0402473 12	CHIP 0.047UF 16V X7R	
C309	065G0402473 12	CHIP 0.047UF 16V X7R	
C307	065G0402473 12	CHIP 0.047UF 16V X7R	
C306	065G0402473 12	CHIP 0.047UF 16V X7R	
C304	065G0402473 12	CHIP 0.047UF 16V X7R	
C301	065G0402473 12	CHIP 0.047UF 16V X7R	
C305	065G0402509 31	CHIP 5PF 50V NPO	
C308	065G0402509 31	CHIP 5PF 50V NPO	
C310	065G0402509 31	CHIP 5PF 50V NPO	
FB201	071G 56K121 M	CHIP BEAD	
FB502	071G 56K121 M	CHIP BEAD	
FB503	071G 56K121 M	CHIP BEAD	
FB601	071G 56K121 M	CHIP BEAD	
FB301	071G 59K190 B	19 OHM BEAD	
FB302	071G 59K190 B	19 OHM BEAD	
FB303	071G 59K190 B	19 OHM BEAD	
D301	093G 64 33	DIO SIG SM BAV99 (PHSE)R	
D302	093G 64 33	DIO SIG SM BAV99 (PHSE)R	
D303	093G 64 33	DIO SIG SM BAV99 (PHSE)R	
D402	093G 64 42 PP	BAV70 SOT-23	
ZD307	093G 39S 34 T	UDZSNP5.6B ROHM	
ZD305	093G 39S 34 T	UDZSNP5.6B ROHM	

ZD304	093G 39S 34 T	UDZSNP5.6B ROHM	
ZD303	093G 39S 34 T	UDZSNP5.6B ROHM	
ZD302	093G 39S 34 T	UDZSNP5.6B ROHM	
ZD301	093G 39S 34 T	UDZSNP5.6B ROHM	
	715G2498 1 AO	MAIN BOARD PCB	
Q202	057G 417518	LMBT3904LT1G SOT-23 BY LRC	
Q204	057G 417517	LMBT3906LT1G SOT-23 BY LRC	
Q205	057G 417517	LMBT3906LT1G SOT-23 BY LRC	
Q602	057G 417517	LMBT3906LT1G SOT-23 BY LRC	
	KEPC7QAK	KEY BOARD	
CN001	033G3802 6H	WAFER 6P RIGHT ANGLE PITCH 2.0	
SW001	077G 600 1GCJ	TACT SWITCH TSPB-2 -NP	
SW002	077G 600 1GCJ	TACT SWITCH TSPB-2 -NP	
SW003	077G 600 1GCJ	TACT SWITCH TSPB-2 -NP	
SW004	077G 600 1GCJ	TACT SWITCH TSPB-2 -NP	
SW005	077G 600 1GCJ	TACT SWITCH TSPB-2 -NP	
SW001	077G 600 1A CJ	TACT SWITCH 2PIN	
SW002	077G 600 1A CJ	TACT SWITCH 2PIN	
SW003	077G 600 1A CJ	TACT SWITCH 2PIN	
SW004	077G 600 1A CJ	TACT SWITCH 2PIN	
SW005	077G 600 1A CJ	TACT SWITCH 2PIN	
SW001	077G 600 1A HJ	TACT SWITCH 5PIN	
SW005	077G 600 1A HJ	TACT SWITCH 5PIN	
SW003	077G 600 1A HJ	TACT SWITCH 5PIN	
SW004	077G 600 1A HJ	TACT SWITCH 5PIN	
SW002	077G 600 1A HJ	TACT SWITCH 5PIN	
D001	081G 12 1F GH	1ED 3PIN Φ3 GHZYG603D2-5B	
D001	081G 12 1F GP	LED 3Φ GP32032M/G307-ZY-50-C	
R003	061G0603000 1F	RST CHIPR 0 OHM +-1% 1/10W	
R005	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W	
R004	061G1206200 1F	RST CHIPR 2.0 KOHM +-1% 1/4W	
R002	061G1206200 1F	RST CHIPR 2.0 KOHM +-1% 1/4W	
	715G2835 1	KEY BOARD PCB	
	PWPC8521VYD1	POWER BOARD	
	040G 45762412B	CBPC LABEL	
CN802	033G8021 2E F	WAFER	
CN801	033G8021 2E F	WAFER	
IC902	056G 139 3A	IC PC123Y22FZ0F	
NR901	061G 58080 WT	8 OHM NCT	
R908	061G152M10452T	RST MOFR 100KOHM +-5% 2WS	

C908	063G107K2246S1	X2 CAP 0.22UF K 275VAC	
C904	063G107K2246S1	X2 CAP 0.22UF K 275VAC	
C803	065G 3J3006ET	30PF 5% SL 3KV TDK	
C801	065G 3J3006ET	30PF 5% SL 3KV TDK	
C902	065G305M1022BP	Y2 1000PF M 250VAC Y5P	
C901	065G305M1022BP	Y2 1000PF M 250VAC Y5P	
C900	065G306M3322BP	3300PF 20%	
C802	067G215D4714KV	E.C 105℃ CAP 470UF M 25V ED SERIES	
C940	067G215P1024AV	CAP 105℃ 1000UF M 25V	
C922	067G215P4714AV	CAP 105℃ 470UF M 25V	
C918	067G215P6814AV	CAP 105C 680UF M 25V	
C917	067G215P6814AV	CAP 105C 680UF M 25V	
C915	067G215S4713KT	470UF 16V	
C907	067G215Z10115A	CAP 105℃ 100UF M 450V	
L903	073G 253 91 V1	CHOKE COIL 1.1UH	
L904	073G 253 91 V1	CHOKE COIL 1.1UH	
L901	073L 174 26H2G	LINE FILTER 27MH	
T801	080GL17T 40 H	XFMR INVERTER DADON	
T901	080GL19T 26 T	X'FMR 460UH SRW24LQL-T15H016	
CN901	087G 501 32 S	AC SOCKET	
CN901	087G 501 32 DL	AC SOCKET DIP 3PIN+2PIN GROUND	
BD901	093G 50460 28	BRIDGE DIODE KBP208G LITEON	
D905	093G3006 1 1	31DQ06FC3 NIHON INTER	
CN902	095G 82010D508	WIRE HARNESS 10P(SAN)-9P(PH) 100MM	2nd source
CN902	095G 82010E508	WIRE HARNESS 10P(SAN)-9P(PH) 100MM	
CN902	095G 82010Q508	WIRE HARNESS 10P(SAN)-9P(PH) 100MM	2nd source
	705GQ757011	Q901 ASS'Y	
Q901	057G 667 30	2SK2645	
Q901	057G 724 11	STP9NK65ZFP	
	0M1G1730 8120	SCREW	
HS3	Q90G6263 3	HEAT SINK	
	705GQ793053	D906 ASS'Y	
D906	093G 60250	FCH10U10	
D906	093G 60267	SP10100	
	0M1G1730 8120	SCREW	
HS2	Q90G6263 3	HEAT SINK	
IC801	056G 379 22	IC TL494IDR SOIC-16	
IC901	056G 379 76	IC LD7552BPS SOP-8	
Q801	057G 417 12 T	KEC 2N3904S-RTK/PS	
Q806	057G 417 12 T	KEC 2N3904S-RTK/PS	

Q811	057G 417 12 T	KEC 2N3904S-RTK/PS	
Q903	057G 417 12 T	KEC 2N3904S-RTK/PS	
Q804	057G 417 13 T	KEC 2N3906S-RTK/PS	
Q812	057G 417 13 T	KEC 2N3906S-RTK/PS	
Q802	057G 600 55	P5506 HVG SO-8	
Q809	057G 759 2	RK7002FD5T116 SOT-23 BY ROHM	
Q808	057G 760 4B	PDTA144WK SOT346	
Q805	057G 760 5B	PDTC144WK SOT346	
Q802	057G 763 14	AM9945N	
R823	061G0603000	RST CHIP MAX 0R05 1/10W	
R818	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W	
R824	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W	
R827	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W	
R926	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W	
R942	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W	
R802	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W	
R807	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W	
R808	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W	
R817	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W	
R820	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W	
R828	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W	
R832	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W	
R863	061G0603100 2F	RST CHIPR 10K OHM +-1% 1/10W	
R835	061G0603105	RST CHIPR 1M OHM +-5% 1/10W	
R862	061G0603105	RST CHIPR 1M OHM +-5% 1/10W	
R814	061G0603150 1F	RST CHIPR 1.5 KOHM +-1% 1/10W	
R801	061G0603150 1F	RST CHIPR 1.5 KOHM +-1% 1/10W	
R930	061G0603243 1F	RST CHIPR 2.43K OHM +-1% 1/10W	
R940	061G0603330 2F	RST CHIPR 33K OHM +-1% 1/10W	
R927	061G0603360 1F	RST CHIPR 3.6K OHM +-1% 1/10W	
R851	061G0603680 1F	RST CHIPR 6.8 KOHM +-1% 1/10W	
R841	061G0603680 2F	RST CHIPR 68K OHM +-1% 1/10W	
R853	061G0603683	RST CHIPR 68K OHM +-5% 1/10W	
R803	061G0603684	RST CHIPR 680 KOHM +-5% 1/10W	
JR902	061G0805000	RST CHIP MAX 0R05 1/8W	
R821	061G0805100 1F	RST CHIPR 1K OHM +-1% 1/8W	
R822	061G0805100 1F	RST CHIPR 1K OHM +-1% 1/8W	
R831	061G0805100 1F	RST CHIPR 1K OHM +-1% 1/8W	
R915	061G0805100 3F	RST CHIPR 100KOHM +-1% 1/8W	
R804	061G0805101	1ST CHIPR 100 OHM +-5% 1/8W	

R826	061G0805102	RST CHIPR 1K OHM +-5% 1/8W	
R925	061G0805102	RST CHIPR 1K OHM +-5% 1/8W	
R939	061G0805102	RST CHIPR 1K OHM +-5% 1/8W	
R938	061G0805103	RST CHIPR 10K OHM +-5% 1/8W	
R924	061G0805151	RST CHIPR 150 OHM +-5% 1/8W	
R825	061G0805220	RST CHIPR 22 OHM +-5% 1/8W	
R829	061G0805220	RST CHIPR 22 OHM +-5% 1/8W	
R839	061G0805220	RST CHIPR 22 OHM +-5% 1/8W	
R850	061G0805220	RST CHIPR 22 OHM +-5% 1/8W	
R943	061G0805471	RST CHIPR 470 OHM +-5% 1/8W	
R837	061G0805473	RST CHIPR 47K OHM +-5% 1/8W	
R810	061G0805510 2F	RST CHIPR 51K OHM +-1% 1/8W	
JR801	061G1206000	RST CHIP MAX 0R05 1/4W	
JR901	061G1206000	RST CHIP MAX 0R05 1/4W	
F801	061G1206000 4	RST CHIP MAX 0R05 1/4W	
F905	061G1206000 4	RST CHIP MAX 0R05 1/4W	
R910	061G1206100	RST CHIPR 10 OHM +-5% 1/4W	
R918	061G1206101	RST CHIPR 100 OHM +-5% 1/4W	
R919	061G1206101	RST CHIPR 100 OHM +-5% 1/4W	
R920	061G1206101	RST CHIPR 100 OHM +-5% 1/4W	
R935	061G1206101	RST CHIPR 100 OHM +-5% 1/4W	
R961	061G1206101	RST CHIPR 100 OHM +-5% 1/4W	
R962	061G1206101	RST CHIPR 100 OHM +-5% 1/4W	
R855	061G1206150	RST CHIPR 15 OHM +-5% 1/4W	
R856	061G1206150	RST CHIPR 15 OHM +-5% 1/4W	
R912	061G1206221	RST CHIPR 220 OHM +-5% 1/4W	
R904	061G1206304	RST CHIPR 300K OHM +-5% 1/4W	
R932	061G1206304	RST CHIPR 300K OHM +-5% 1/4W	
R933	061G1206304	RST CHIPR 300K OHM +-5% 1/4W	
R909	061G1206519	RST CHIPR 5.1 OHM +-5% 1/4W	
R900	061G1206684	RST CHIPR 680K OHM +-5% 1/4W	
R901	061G1206684	RST CHIPR 680K OHM +-5% 1/4W	
R902	061G1206684	RST CHIPR 680K OHM +-5% 1/4W	
C932	065G0603102 32	1000PF +-10% 50V X7R	
C842	065G0603103 32	CAP CHIP 0603 0.01UF K 50V X7R	
C834	065G0603104 22	CAP CHIP 0603 0.1UF K 25V X7R	
C825	065G0603104 22	CAP CHIP 0603 0.1UF K 25V X7R	
C821	065G0603104 22	CAP CHIP 0603 0.1UF K 25V X7R	
C807	065G0603104 22	CAP CHIP 0603 0.1UF K 25V X7R	
C823	065G0603222 22	CHIP 2200PF 25V X7R	

C819	065G0603222 22	CHIP 2200PF 25V X7R	
C928	065G0805103 32	CAP CHIP 0805 10NF K 50V X7R	
C931	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R	
C930	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R	
C924	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R	
C911	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R	
C824	065G0805104 32	CAP CHIP 0805 0.1UF K 50V X7R	
C822	065G0805105 22	CAP CHIP 0805 1UF K 25V X7R	
C838	065G0805152 31	1.5NF/50V	
C839	065G0805152 31	1.5NF/50V	
C820	065G080522131G	CAP CHIP 0805 220PF G 50V NPO	
C845	065G0805225 12	CAP CHIP 0805 2.2UF K 16V X7R	
C909	065G0805471 21	CAP CHIP 0805 470PF J 25V NPO	
C912	065G1206102 72	CAP CHIP 1206 1000PF K 500V X7R	
C929	065G1206102 72	CAP CHIP 1206 1000PF K 500V X7R	
D802	093G 64 33	DIO SIG SM BAV99 (PHSE)R	
D801	093G 64 33	DIO SIG SM BAV99 (PHSE)R	
ZD906	093G 39S 20 T	RLZ22B LLDS	
ZD922	093G 39S 25 T	RLZ5.1B LLDS	
ZD902	093G 39S 40 T	RLZ 13B LLDS	
ZD921	093G 39S 40 T	RLZ 13B LLDS	
ZD905	093G 39S 44 T	RLZ18B LLDS	
D805	093G 64S522SEM	LL4148	
D806	093G 64S522SEM	LL4148	
D807	093G 64S522SEM	LL4148	
D812	093G 64S522SEM	LL4148	
D814	093G 64S522SEM	LL4148	
D817	093G 64S522SEM	LL4148	
D903	093G 64S522SEM	LL4148	
D915	093G 64S522SEM	LL4148	
D916	093G 64S522SEM	LL4148	
CN901	006G 31500	EYELET	
IC903	056G 158 10 T	IC AS431AZTR-E1 TO-92	
IC903	056G 158 12	KIA431A-AT/P TO-92	
R946	061G152M15152T	RST MOFR 150 OHM +-5% 2WS	
R914	061G152M47852T	RST MOFR 0.47 OHM +-5% 2WS	
C906	065G 2K152 1T6213	CAP CER 1500PF K 2KV	
C903	067G 2152207NT	KY50VB22M-TP5 5*11	
FB901	071G 55 29	FERRITE BEAD	
F901	084G 56 3 B	FUSE 3.15A 250V	

F901	084G 56 3W	FUSE	
D900	093G 6026T52T	RECTIFIER DIODE FR107	
D901	093G 6038T52T	FR103	
J813	095G 90 23	JUMPER	
J812	095G 90 23	JUMPER	
J811	095G 90 23	JUMPER	
J809	095G 90 23	JUMPER	
J807	095G 90 23	JUMPER	
J806	095G 90 23	JUMPER	
J805	095G 90 23	JUMPER	
J804	095G 90 23	JUMPER	
J803	095G 90 23	JUMPER	
J802	095G 90 23	JUMPER	
J801	095G 90 23	JUMPER	
J902	095G 90 23	JUMPER	
J901	095G 90 23	JUMPER	
J914	095G 90 23	JUMPER	
J912	095G 90 23	JUMPER	
J911	095G 90 23	JUMPER	
J910	095G 90 23	JUMPER	
J909	095G 90 23	JUMPER	
J908	095G 90 23	JUMPER	
J907	095G 90 23	JUMPER	
J906	095G 90 23	JUMPER	
J905	095G 90 23	JUMPER	
J904	095G 90 23	JUMPER	
J903	095G 90 23	JUMPER	
	715G2852 2	POWER BOARD PCB	
	Q51G 6 4509	GLUE_RTV	
	Q15G0248101	MAIN FRAME	
	Q33G0170ABJ 1L0100	KEY PAD	
	Q33G0171 1 1C0100	LENS	
	Q34G0273ABJA3B0130	BEZEL(L156W-8Q3)	
	Q34G0274ABJ 2B0100	REAR COVER15.6"	
	Q40G 15N74311A	RATING LABEL	
	Q40G0002743 3A	POP LABEL	
	Q40G0002743 5A	STICKER LABEL FOR CARTON	
	Q44G5022101	EPS	
	Q44G5022201	EPS	
	Q44G5022743 1B	15 LCD HCL CARTON	

	Q45G 77 5	PE PACKING	
	Q45G 88606 R	PE BAG FOR BASE	
	Q45G 88607 28	PE BAG FOR CLAMP/STAND	
	Q45G 88CKD 2 R	PE BAG FOR MONITOR	
	Q52G6020114	PROTECT FILM	
	045G 76 28 RN	PE BAG FOR MANUAL	
	Q41G500074314B	MANUAL	
	026G 800504 3	BARCODE LABEL FOR 4	
	040G 58162435A	P/N LABEL FOR MANUAL PE BAG	

12. Different Parts List

HCMDLWBT21

Diversity of T682RDDCWXKCNN compared with T68MRDDCWXKLNN		
Location	**TPV Part No.**	**Description**
	041G 68508 A	CONTROL CARD
	750GLV156B1114N000	PANEL TPM156B1-L01 C1A FZ TPV
	Q15G0248601	MAINFRAME

Diversity of T683RDDCWXKCNN compared with T68MRDDCWXKLNN		
Location	**TPV Part No.**	**Description**
	041G 68508 A	CONTROL CARD
	052G 1207 A	CONDUCTIVE TAPE 45MM *25MM *0.08MM
E09502	095G8014 6JH09	WIRE HARNESS 6P(PH)-6P(PH)
	750GLV156WX114N000	PANEL TPM156B1-WX101TB A1 FZ TPV
	CBPC8VRDA1Q1	MAIN BOARD
	Q15G0248601	MAINFRAME

Diversity of T68VRDDCWXKLNN compared with T68MRDDCWXKLNN		
Location	**TPV Part No.**	**Description**
	041G 68508 A	CONTROL CARD
	052G 1207 A	CONDUCTIVE TAPE 45MM *25MM *0.08MM
E09502	095G8014 6JH09	WIRE HARNESS 6P(PH)-6P(PH)
E750	750GLD156WX111N000	PANEL SVA156WX1-01TB SH SVA
	CBPC8VRDA1Q1	MAIN BOARD

HCMDLWBN21

The BOM of T67MRDNCWXKLNN is the same as T67MRDNCWXLHNN's.

Diversity of T68VRDNCWXLHNN compared with T67MRDNCWXLHNN			
Location	**TPV Part No.**	**Description**	**Remark**
	041G 68508 A	CONTROL CARD	
	052G 1207 A	CONDUCTIVE TAPE 45MM *25MM *0.08MM	
E09502	095G8014 6JH09	WIRE HARNESS 6P(PH)-6P(PH)	
E09502	095G8014 6WH09	WIRE HARNESS 6P(PH)-6P(PH)	2nd source
E750	750GLD156WX111N000	PANEL SVA156WX1-01TB SH SVA	
E750	750GLD156WX121N000	PANEL SVA156WX1-01TB REV.B SH SVA	2nd source
	CBPC8VRDA1Q1	MAIN BOARD	
	Q41G500074315A	MANUAL	